

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
 Best Local Similarity 99.2%; Pred. No. 2.6e-270; Matches 1047; Conserv. 0; Mismatches 8; Indels 0; Gaps 0;

QY 1047 GCCGGATGAGGACCTGAGGAACGTGAGACTGTGACACTGTGAGGAGCATGCCAGGAA 1106
 Db 660 GGCGGATGAGGACCTGAGGAACGTGAGACTGTGACACTGTGAGGAGCATGCCAGGAA 719

QY 1107 AAGCCCTCACCAACCGAGGAGGAGSAGAGCCTTCAACTTGCGACCTTGCGACCTTGCGAC 1166
 Db 720 AGCCCTCACCAACCGAGGAGGAGSAGAGCCTTCAACTTGCGACCTTGCGACCTTGCGAC 779

QY 1167 CCAAGGAGTTGSSGCCASCGGGSCTCCCTGTGAGGAGCTTGCGACCTTGCGACCTTGCGAC 1226
 Db 780 CCAAGGAGTTGSSGCCASCGGGSCTCCCTGTGAGGAGCTTGCGACCTTGCGACCTTGCGAC 839

QY 1227 ACCAGACCCGGCGCTCTGAGACTTGCGAGAGATGGCCAAAGGATTAGAAGA 1286
 Db 840 ACCAGACCCGGCGCTCTGAGACTTGCGAGAGATGGCCAAAGGATTAGAAGA 899

QY 1287 GCTGAGGCMAGCCAGGAGACCTTGCGAGGAGCTTGCGACCTTGCGACCTTGCGAC 1346
 Db 900 GCTGAGGCMAGCCAGGAGACCTTGCGAGGAGCTTGCGACCTTGCGACCTTGCGAC 959

QY 1347 GCATTCACAAGCTCTTAATCTCAATAATGGCTTCTCTCTGCGATCTGAG 1406
 Db 960 GCATTCACAAGCTCTTAATCTCAATAATGGCTTCTCTCTGCGATCTGAG 1019

QY 1407 GTCTGGGTGGAGTGGACTTAGAACATAAAGGACACTCTCATACGG 1466
 Db 1020 GTCTGGGTGGAGTGGACTTAGAACATAAAGGACACTCTCATACGG 1079

QY 1467 GTGAAGGTAGAGCTTAATCTCAAGGTGGAGCTTGCGAGGAGCTTGCGAC 1526
 Db 1080 GTGAAGGTAGAGCTTAATCTCAAGGTGGAGCTTGCGAGGAGCTTGCGAC 1139

QY 1527 CAAAAATTACACAGAGACAGAGCTCCCTGGAGACAGGTGGATGAGGAAGT 1586
 Db 1140 CAAAAATTACACAGAGACAGAGCTCCCTGGAGACAGGTGGATGAGGAAGT 1199

QY 1587 GAACCTGGGGTGGAGGACCAATCTGAGCTCCAGAACCTGGAGACAGGTC 1646
 Db 1200 GAACCTGGGGTGGAGGACCAATCTGAGCTCCAGAACCTGGAGACAGGTC 1259

QY 1647 AGGTGACCAACCTCAGACCTCTGAGGAGGCCATCTGGCGCGCATGTGTA 1706
 Db 1260 AGGTGACCAACCTCAGACCTCTGAGGAGGCCATCTGGCGCGCATGTGTA 1319

QY 1707 TTGCTCATTTTAACTCTCTGGTTACCTGA 1741
 Db 1320 TTGCTCATTTTAACTCTCTGGTTACCTGA 1354

RESULT 2
 US-09-719-928-10
 ; Sequence 10, Application US/09211928
 ; Parent No. 6121030
 ; GENERAL INFORMATION:
 ; APPLICANT: Action, Susan
 ; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MNI-050
 ; CURRENT APPLICATION NUMBER: US/09/221, 928
 ; CURRENT FILING DATE: 1998-12-28
 ; EARLIER APPLICATION NUMBER: 09/163, 115
 ; EARLIER FILING DATE: 1998-12-28
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: CDS
 ; NAME/KEY: CDS
 ; LOCATION: (275) .. (754)
 ; US-09-221-928-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
 Best Local Similarity 99.2%; Pred. No. 2.6e-270; Matches 1047; Conserv. 0; Mismatches 8; Indels 0; Gaps 0;

QY 687 TCCCTTAATGGAGCATCCCTTCCGGAGACAGGAGCAACTGCAAATA 746
 Db 300 TCAGTTATGGAGCATCCCTTCCGGAGACAGGAGCAACTGCAAATA 359

QY 747 TCACATCAGTGTACACTTGAGGAGCTTGCGACCTTGCGACCTTGCGAC 806
 Db 360 TCACAGCAGTGTACACTTGAGGAGCTTGCGACCTTGCGAC 419

QY 807 AGGACTTATCGAGCTCTGTTAAGGAGCCGGAACGGCTCACATCCAGAG 866
 Db 420 AGGACTTATCGAGCTCTGTTAAGGAGCCGGAACGGCTCACATCCAGAG 479

QY 867 CTCTCAGACACCCCTGGATACCGGGTGGAGACAGGACCTGGAGCTGG 926
 Db 480 CTCTCAGACACCCCTGGATACCGGGTGGAGACAGGACCTGGAGCTGG 539

QY 927 CTGTTGTCATCTGGAGACATTAGGAAGCAGTAGTGTGCGAGCGTGC 986
 Db 540 CTGTTGTCATCTGGAGACATTAGGAAGCAGTAGTGTGCGAGCGTGC 599

QY 987 TCACTATCTGTCCTGCGACACTCCAGCTGGCTGTTGAGAGGGCGAC 1046
 Db 600 TCACATCTGTCCTGCGACACTCCAGCTGGCTGTTGAGAGGGCGAC 659

QY 1047 GGCAGGATGGAGCTTGAGGAACCTGGAGCTGTGAGTGGAGACTG 1106
 Db 660 GGCAGGATGGAGCTTGAGGAACCTGGAGCTGTGAGTGGAGACTG 719

QY 1107 AAGCCTCCACCAAGGAGGAGCACCTCTGCGCGCATGTGTA 1166
 Db 720 AAGCCTCCACCAAGGAGGAGCACCTCTGCGCGCATGTGTA 779

QY 1167 CCAGGGAGTTGGCCAGCGGGCTCCCTGTGAGCTTGGACCCAGCTGC 1226
 Db 780 CCAGGGAGTTGGCCAGCGGGCTCCCTGTGAGCTTGGACCCAGCTGC 839

QY 1227 ACCGACCGGGGCTCTGAGACTTGCGAGAGATGGGCCAAGGAACTCG 1286
 Db 840 ACCGACCGGGGCTCTGAGACTTGCGAGAGATGGGCCAAGGAACTCG 899

QY 1287 GCTGAGGAGACCTGGAGGAGCTTGCGAGCTGTGCGTCTCTGTGAGGAGCTCA 1346
 Db 900 GCTGAGGAGACCTGGAGGAGCTTGCGAGCTGTGCGTCTCTGTGAGGAGCTCA 959

QY 1347 GCATTCACAAGCTTAATCTCAATAATGGCTTCTCTGTGCGCTCTGAG 1406
 Db 960 GCATTCACAAGCTTAATCTCAATAATGGCTTCTCTGTGCGCTCTGAG 1019

QY 1407 GTCTGGGGTGGAGCTTGAGCTTAGAACATAAAGGACATCCCTCATACGG 1466
 Db 1020 GTCTGGGGTGGAGCTTGAGCTTAGAACATAAAGGACATCCCTCATACGG 1079

QY 1467 GTGAAGGTAGAGCTTAATCTCAAGGTGGAGCTTGCGAC 1526
 Db 1080 GTGAAGGTAGAGCTTAATCTCAAGGTGGAGCTTGCGAC 1139

QY 1527 CAAAAATTACACAGAGACAGAGCTCCCTGGAGACAGGTGGATGAGGAAGT 1586
 Db 1140 CAAAAATTACACAGAGACAGAGCTCCCTGGAGACAGGTGGATGAGGAAGT 1199

QY 1587 GAACCTGGGGTGGAGGACCAATCTGAGCCCATGTGGAGACGGGTGATGTGAGA 1259
 Db 1200 GAACCTGGGGTGGAGGACCAATCTGAGCCCATGTGGAGACGGGTGATGTGAGA 1259

QY 1647 AGGTGACCAACCTCGAGACCTCTGAGGAGGCCATGTGGCGCCCATGTGGAG 1706
 Db 1260 AGGTGACCAACCTCGAGACCTCTGAGGAGGCCATGTGGCGCCCATGTGGAG 1319

QY 1707 TTGCTCATTTTAACTCTCTGGTTACCTGA 1741

Db 1320 TTGCTCATTTTAACCTCTGGTTACCTGA 1354
; Sequence 10, Application US/09221527
; Patent No. 6146832
; GENERAL INFORMATION:
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNT-050
; CURRENT APPLICATION NUMBER: US/09/221,527
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163, 115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
; US-09-221-527-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAAGTGGGATCCCTTTCCTGGAGCACGAGAACACTGGCAATA 746
Db 300 TCAGCTTAAGTGGGATCCCTTTCCTGGAGCACGAGAACACTGGCAATA 359
Qy 747 TCACATCAGTAGGTAGCTTGACTTGTGATGAGGAATTCTTCAGCCATACAGGCAGGGCTGGCCA 806
Db 360 TCACAGCAGTAGGTAGCTTGACTTGTGATGAGGAATTCTTCAGCCATACAGGCAGGGCTGGCCA 419
Qy 807 AGGCTTATTCGAAAGCTCTGGTTAAGAGAACGCCGAAACGGCTCACAACTCGAGGG 866
Db 420 AGGCTTATTCGAAAGCTCTGGTTAAGAGAACGCCGAAACGGCTCACAACTCGAGGG 479
Qy 867 CTCTCTGAGACCCCCGGATCACGGGGTGGACACAGCAGGGACT 926
Db 480 CTCTCTGAGACCCCCGGATCACGGGGTGGACACAGCAGGGACT 539
Qy 927 CTGTTGTCATCTGGAGAACTTCGGGAACGGCTGGTGAACCTTCTC 986
Db 540 CTGTTGTCATCTGGAGAACTTCGGGAACGGCTGGTGAACCTTCTC 599
Qy 987 TCAGCATGGTCTCTGGCAACCAACCTCACCGCTCGTGTAGAAGAGGGTGACCTG 1046
Db 600 TCAGCATGGTCTCTGGCAACCAACCTCACCGCTCGTGTAGAAGAGGGTGACCTG 659
Qy 1047 GCCCGATGAGGAGCTGGAGACTGTGAGAGTGCACTGGAGGACATGCCAGGGGA 1106
Db 660 GGCGGAGTGGAGGAGCTGGAGACTGTGAGAGTGCACTGGAGGAGGA 719
Qy 1107 AAGCCCTCCACCCACGGAGGAGGAGGAGCTCTCAACTGGCTGTGAGTGGCG 1166
Db 720 AAGCCCTCCACCCACGGAGGAGGAGGAGCTCTCAACTGGCTGTGAGTGGCG 779
Qy 1167 CCAGGGAGTTGGCCCGAGGGAGCTCTCAACTGGCTGTGAGTGGCG 1226
Db 780 CCAGGGAGTTGGCCCGAGGGAGCTCTCAACTGGCTGTGAGTGGCG 839
Qy 1227 ACCGCACCCGGGCTCTGAGCTTCAAGAGATGGCCAAAGGAACTCAGA 1286
Db 840 ACCGCACCCGGGCTCTGAGCTTCAAGAGATGGCCAAAGGAACTCAGA 899
Qy 1287 GTTGCAGGAGGAGGAGGACCTGGAGCTGTTGCTCTCTGAGGGCTCA 1346

RESULT 4
US-09-221-236-10
; Sequence 10, Application US/09221236
; Patent No. 6146841
; GENERAL INFORMATION:
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNT-050
; CURRENT APPLICATION NUMBER: US/09/221,236
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163, 115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
; US-09-221-236-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAAGTGGGATCCCTTTCCTGGAGCACGAGAACACTGGCAATA 746
Db 300 TCAGCTTAAGTGGGATCCCTTTCCTGGAGCACGAGAACACTGGCAATA 359
Qy 747 TCACATCAGTAGGTAGCTTGACTTGTGATGAGGAATTCTTCAGGCATACAGGCAGGGCTGGCCA 806
Db 360 TCACAGCAGTAGGTAGCTTGACTTGTGATGAGGAATTCTTCAGGCATACAGGCAGGGCTGGCCA 419
Qy 807 AGGCTTATTCGAAAGCTCTGGTTAAGAGAACGCCGAAACGGCTCACAACTCGAGGG 866
Db 420 AGGCTTATTCGAAAGCTCTGGTTAAGAGAACGCCGAAACGGCTCACAACTCGAGGG 479
Qy 867 CTCTCAGACCCCCGGATCACGGGGTGGACACAGCAGGGACT 926
Db 480 CTCTCAGACCCCCGGATCACGGGGTGGACACAGCAGGGACT 539

RESULT 6

US-09-221-245-10

; Sequence 10, Application US/09221245

; Patent No. 6180358

; GENERAL INFORMATION:

; APPLICANT: Action, Susan

; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

; FILE REFERENCE: MINI-050

; CURRENT APPLICATION NUMBER: US/09/221, 245

; EARLIER APPLICATION NUMBER: US 09/163, 115

; EARLIER FILING DATE: 1998-09-29

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO: 10

; LENGTH: 1864

; TYPE: DNA

; FEATURE: CDS

; NAME/KEY: CDS

; LOCATION: (275) .. (754)

; US-09-221-245-10

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;

Best local Similarity 99 2%; Pred. No. 2..6e-270;

Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCCTTAAGTGGGCACTCCCTTCCTGGAGACAGAGAGAAACTGCAATA 746

Db 300 TCAGCTTAAGTGGGACATCCCTTCCTGGAGACAGAGAGAAACTGCAATA 359

Qy 747 TCACATCAGTGAGTAGACTTGTGAGGAATTCTACCCATACGGGAGTTGCCA 806

Db 360 TCACAGCAGTGAGTAGACTTGTGAGGAATTCTACCCATACGGGAGTTGCCA 419

Qy 807 AGGACTTTATTCGAAAGCTCTGGTTAACAGAACGGAAACGCTCACATCCAGGG 866

Db 420 AGGACTTTATTCGAAAGCTCTGGTTAACAGAACGGAAACGCTCACATCCAGGG 866

Qy 867 CTCTCAGAACCCCTGGATCACGGGGTGACACCCAGAGCATGGGGAGCT 479

Db 480 CTCTCAGAACCCCTGGATCACGGGGTGACACCCAGAGCATGGGGAGCT 539

Qy 927 CTGGGTCAACTGGAGAACTTCGGAGGAGTGTCCCGAGGGGGAGTTCT 986

Db 540 CTGGGTCAACTTCGGAGAACTTCGGAGGAGTGTCCCGAGGGGGAGTTCT 599

Qy 987 TCAGCATCGTCCCTGTGACACCACTCACCCCTCGTGATGATGAGAGGTGACCTGA 1046

Db 600 TCACATCCTGTCCTGTGACACCACTCACCCCTCGTGATGATGAGAGGTGACCTGA 659

Qy 1047 GGCGGGATGGAGGACTGAGGAAGCTGTGAGAGTGCACATGGGGAGGA 1106

Db 660 GGCGGGATGGAGGACTGAGGAAGCTGTGAGAGTGCACATGGGGAGGA 719

Qy 1107 AAGCCTCCACCCACGGAGGGACCTTAAGTGGGGAGCTGACCTGGGGAG 1166

Db 720 AAGCCTCCACCCACGGAGGGACCTTAAGTGGGGAGCTGACCTGGGGAG 779

Qy 1167 CCAGGGAGGTGAGCCCCACGGGGAGCTCCCTCTGTGAGAGGTGACCTGA 1226

RESULT 7

US-09-163-115-10

; Sequence 10, Application US/09163115A

; Patent No. 6183962

; GENERAL INFORMATION:

; APPLICANT: Action, Susan

; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

; FILE REFERENCE: MINI-050

; CURRENT APPLICATION NUMBER: US/09/163, 115A

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO: 10

; LENGTH: 1864

; TYPE: DNA

; FEATURE: CDS

; NAME/KEY: CDS

; LOCATION: (275) .. (754)

; US-09-163-115-10

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;

Best local Similarity 99 2%; Pred. No. 2..6e-270;

Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCCTTAAGTGGGCACTCCCTTCCTGGAGACAGAGAGAAACTGCAATA 746

Db 300 TCAGCTTAAGTGGGAGCATCCCTTCCTGGAGACAGAGAGAAACTGCAATA 359

Qy 747 TCACATCAGTGAGTAGACTTGTGAGAGATCTTCAGCCATACGGGGAGCTGCCA 806

Db 360 TCACAGCAGTGAGTAGACTTGTGAGAGATCTTCAGCCAGGGAGCTGCCA 419

Qy 807 AGGACTTTATTCGAAAGCTCTGGTTAACAGAACGGAAACGCTCACATCCAGGG 1206

Db 900 GCTTCAGGCAAGGAGACCCCTGGAGACTGAGGCTCTCTGTGGAGGGCTCCA 959

Qy 1347 GCATCCAGACTTAATCTCCATAAATGGCTTCTCTGTCTGGCATCTCAGA 1406

Db 960 GCATCCAGACTTAATCTCCATAAATGGCTTCTCTGTCTGGCATCTCAGA 1019

Qy 1407 GTCTGGGGGGAGCTCTGAGACTTGTGAGAGAGGGCTCTCTGTGGAGGGCTCCA 1526

Db 1080 GTGAGGTGAGTAGGCTGAGGCGCTCTTCACAGCTGAGGGGTCTGAGACCCTGG 1139

Qy 1527 CAAATAAACCCAGAGAGAGAGTGGCTCCCACTGGAACACGGTGTGAGGAAT 1586

Db 1140 CAAATAAACCCAGAGAGAGAGTGGCTCCCACTGGAACACGGTGTGAGGAAT 1199

Qy 1587 GAACCTTGCTGTGAGGGACAACTCTGAGCTCCAGACCATGGAGGCCAGCTC 1646

Db 1200 GAACCTTGCTGTGAGGGACCAATCTGAGACTCTCCAGACCATGGAGGCCAGCTC 1259

Qy 1647 AGGCTGACCAACCTCAGGCTCTGAGACGGCAACCTGGCTTCTGTGGTAA 1706

Db 1260 AGGTGACCAACCTCAGGCTCTGAGACGGCAACCTGGCTTCTGTGGTAA 1319

Qy 1707 TTGCTCATTTAAACTTCGGTTACCTGA 1741

Db 1320 TTGCTCATTTAAACTTCGGTTACCTGA 1354

CURRENT FILING DATE: 1998-12-28
 EARLIER APPLICATION NUMBER: 09/163,115
 NUMBER OF SEQ ID NOS: 15
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 10
 LENGTH: 1864
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (275)..(754)
 US - 09-221-528-10
 Query Match 59 8%; Score 1042.2; DB 4; Length 1864;
 Best Local Similarity 99 2%; Pred. No. 2.6e-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
 QY 687 TCCTCTTAATGTTGGAGCATCCCTTCTCTGGAGACAGAGAGAACACTGCAATA 746
 Db 300 TCAGCTTAATGTTGGAGCATCCCTTCTCTGGAGACAGAGAGAACACTGCAATA 359
 QY 747 TCACATCAGTAGTGTAGCTTGAGCTTGATGAGGAATTCCTCGCCATACGAGGAGGTGCA 805
 Db 360 TCACAGCAGTAGTGTAGCTTGAGCTTGATGAGGAATTCCTCGCCATACGAGGAGGTGCA 419
 QY 807 AGGACTTATTCGAGCTCTGTTAAGAGACCGGAAACGCTCACATCCAAGAGG 866
 Db 480 CTCTCAGACACCCCTGGATCACGGGGTGGAGACAGAGAGAACCTGCAACTGC 539
 QY 927 CTGTTGTCATCTGGAGACTTGGAGCTTGAGAGATGGCCAGAGATTGAGA 979
 Db 420 AGGACTTATTCGAGCTCTGTTAAGAGACAGAGAGAACCTGCAACTGC 479
 QY 867 CTCTCAGACACCCCTGGATCACGGGGTGGAGACAGAGATGGCCAGAGATTGAGA 926
 Db 900 GCTTGGAGCAAGCCAGGAGAACCTGGAGTGTGCTCTGTGGAGGGCTCA 959
 QY 1227 ACCAGCCCCGGGRCCTGAGCACITGAGAGAGATGGCCAGAGATTGAGA 1286
 Db 840 ACCAGAACCCGGGRCCTGAGCACITGAGAGAGATGGCCAGAGATTGAGA 899
 QY 1287 GCTTGAGGCAAGCCAGGAGCCCTGGAGCTGAGCTGCTCTGTGGAGGTCTCA 1346
 Db 960 GCTTCCACAAAGCTCTTAATTCCTCTCTGTCATCCAGA 1019
 QY 1407 GCTCTGGGGTGGAGCTGGACTTGTGAGAACATATAAAGACATCTCTCATCGGG 1466
 Db 1020 GTCTGGGGTGGAGCTGGACTTGTGAGAACATATAAAGACATCTCTCATCGGG 1079
 QY 1467 GTGAGAGCTCAGTAAAGCCGCTCTTCAGAGCTGAGGGGTTCAAGAACAGCTGGC 1526
 Db 1080 GTGAAGGTCAACTAAAGGACCTCTTCACAGGTGAGGGGTTCAAGAACAGCTGGC 1139
 QY 1527 CAAAAATTAACCAAGAGAGAGAGAGCTGGACAGGGTGTGAGGAAGT 1586
 Db 1140 CAAAATTAACCAAGAGAGAGAGAGCTGGACAGGGTGTGAGGAAGT 1199
 QY 1587 GAACTCTGGGTGAGGGACCAATCTCTGCTACCTCCAGAACCTGAGACCTGGC 1646
 Db 1200 GAACCTTGGGTGAGGGACCAATCTCTGAGACCTGGCAGAACCTGGC 1259
 QY 1647 AGGCTGACCAACACTCTGAGGACCTCTGAGAACGCCATCTGAGGAGCTGGC 1766
 Db 1260 AGGCTGACCAACACTCTGAGGACCTCTGAGAACGCCATCTGAGGAGCTGGC 1319
 QY 1707 TTGGCTATTAAACTCTGGTTACCTGA 1741
 Db 1320 TTGGCTCATTTTAAACCTCTGGTTACCTGA 1354
 RESULT 8
 Sequence 10, Application US/09221528
 Patent No. 6,190874
 GENERAL INFORMATION:
 APPLICANT: Acton, Susan
 TITLE OF INVENTION: Novel CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 FILE REFERENCE: MINI-050
 CURRENT APPLICATION NUMBER: US/09/221,528

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;
 Best local similarity 99 2%; Pred. No. 2.6e-270; DB 4;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1527 CAAATAATCACCAGAGACAGACTCTCCCTTGGAACACGGGATGGAACT 1586
 Db 1140 CAAATAATCACCGAGACAGACTCTCCCTTGGAACACGGGATGGAACT 1199
 Qy 1587 GAACCTTGGGTGAGGGACCAATTCTGTGACCTCCAGAACCTTGGAACGGAC 1646
 Db 1200 GAACCTTGGGTGAGGGACCAATTCTGTGACCTCCAGAACCTTGGAACGGAC 1259
 Qy 1647 AGGTGACCAACACTCAGACCTCTGAGACGCCATGTCAGACGCCATGTC 1706
 Db 1260 AGGTGACCAACACTCAGACCTCTGAGACGCCATGTCAGACGCCATGTC 1319
 Qy 1707 TTGCTCATTTTAACCTCTGGTTACCTGA 1741
 Db 1320 TTGCTCATTTTAACCTCTGGTTACCTGA 1354

RESULT 9
 US 09-593-553-10
 ; Sequence 10, Application US/09593553
 ; Patent No. 6200770
 ; GENERAL INFORMATION:
 ; APPLICANT: Actor, Susan
 ; TITLE OF INVENTION: NOVEL CSARK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MINI-050
 ; CURRENT APPLICATION NUMBER: US/09/593, 553
 ; CURRENT FILING DATE: 2000-06-14
 ; PRIOR APPLICATION NUMBER: 09/163, 115
 ; PRIOR FILING DATE: 1998-09-28
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: CDS
 ; NAME/KEY: (275) .. (754)
 ; LOCATION: (275) .. (754)
 ; US-09-593-553-10

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;
 Best local similarity 99 2%; Pred. No. 2.6e-270; DB 4;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCCTTAAGTGGGCATCCCTTCTGGAGCACGAGCAGAACACTGCCAATA 746
 Db 300 TCACCTTAAGTGGGCATCCCTTCTGGAGCACGAGCAGAACACTGCCAATA 359
 Qy 747 TCACTCAGTAGGTTAGACTTGTAGGAGATTCTAGCCATACGGAGGGTGGCA 806
 Db 360 TCACAGCAGTAGGTTAGACTTGTAGGAGATTCTAGCCACAGCAGGGTGGCA 419
 Qy 807 AGGACTTTATCGGAAAGCTCTGGTAAGAGAACGGAACGCTCACATCCAGAGG 866
 Db 420 AGGACTTTATCGGAAAGCTCTGGTAAGAGAACGGAACGCTCACATCCAGAGG 479
 Qy 867 CTCTCAGACCCCCGGATCACGGGGTGAACCCAGAGGCGATGGCGAGGGACT 926
 Db 480 CTCTCAGACCCCCGGATCACGGGGTGAACCCAGAGGCGATGGCGAGGGACT 539
 Qy 927 CTGGGTCACTGGAGAACTCAGGAAGGAGTGTCCCGAGGGGGTGGAGTTCT 986
 Db 540 CTGGGTCACTGGAGAACTCAGGAAGGAGTGTCCCGAGGGGGTGGAGTTCT 599
 Qy 987 TCAGCATCGTCTCTGACACCCCTCGTGTGATGAGAGGTGACCTGA 1046
 Db 600 TCAGCATCGTCTCTGACACCCCTCGTGTGATGAGAGGTGACCTGA 659

RESULT 10
 US-09-221-237-10
 ; Sequence 10, Application US/09221237
 ; Patent No. 6214597
 ; GENERAL INFORMATION:
 ; APPLICANT: Actor, Susan
 ; TITLE OF INVENTION: NOVEL CSARK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MINI-050
 ; CURRENT APPLICATION NUMBER: US/09/221, 237
 ; CURRENT FILING DATE: 1998-12-28
 ; EARLIER APPLICATION NUMBER: 09/163, 115
 ; EARLIER FILING DATE: 1998-09-29
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: CDS
 ; NAME/KEY: (275) .. (754)
 ; LOCATION: (275) .. (754)
 ; US-09-221-237-10

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;
 Best local similarity 99 2%; Pred. No. 2.6e-270; DB 4;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCCTTAAGTGGGCATCCCTTCTGGAGCACGAGCAGAACACTGCCAATA 746

US-09-159-385-3
; Sequence 3, Application US/09159385
; Patent No. 5958748
; GENERAL INFORMATION:
; APPLICANT: AKTRA, SHIZUO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT APPLICATION NUMBER: US/09/159, 385
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (94) .. (1455)

Query Match 29.6%; Score 515.6; DB 2; Length 2132;
Best Local Similarity 76.1%; Pred. No. 7.3e-129;
Matches 635; Conservative 0; Mismatches 199; Indels 0; Gaps 0;

QY 61 CATGGAGCCATTAGCGAGAGAGTGGAGACTTTATGACATCGAGAGAGCTGG 1166
Db 93 CATGCCAACGTTCAAGGAGAGGAGGAGGAGGAGGAGGAGGAGCTGG 779

QY 1167 CCAGGGAGGTGGGGCCAGGGGGCTCCCTCTGTGAGACTTTGGACCGAGCTCGC 1226
Db 780 CCAAGGAGGTCTGGCCCAAGGGGGCTCCCTCTGTGAGACTTTGGACCGAGCTCGC 839

QY 1227 ACCGACACCAGGGGCTCTGAGACACTTGTGAAAGAGATGGCCAGAGATTAGAAGA 1286
Db 840 ACCGACACCAGGGGCTCTGAGACACTTGTGAAAGAGATGGCCAGAGATTAGAAGA 899

QY 1287 GCTTGAGGAAAGGAGACCCCTGGGACTGTCGGCTGTTCTGTGAGGGAGCTCC 1346
Db 900 GCTTGAGGAAAGGAGACCCCTGGGACTGTCGGCTGTTCTGTGAGGGAGCTCC 959

QY 1347 GCATTCCAAAGCTTAATCTCTATAATG3CTCTCTGCATCTCGA 1406
Db 960 GCATTCCAAAGCTTAATCTCTATAATG3CTCTCTGCATCTCGA 1019

QY 1407 GTCTGGGTGGAGGTGGACTTAGGAACATAATAAAGGACATCTCATCACCGG 1466
Db 1020 GTCTGGGTGGAGGTGGACTTAGGAACATAATAAAGGACATCTCATCACCGG 1079

QY 1467 GTGAGGTCAGAGTAGGAGCCTTCTACAG3GTGAGGGGTGAGAACACCTGG 1526
Db 1080 GTGAGGTCAGACTTACAGGAGCCTTCTACAG3GTGAGGGGTGAGAACACCTGG 1139

QY 1527 CAAAATACAGGAGACAGCTCTCCCATGGAGACAGGTGATGAGGAAC 1586
Db 1140 CAAAATACAGGAGACAGCTCTCCCATGGAGACAGGTGATGAGGAAC 1199

QY 1587 GAACCTGGGTGGAGGGACCAATCTGTGAGCTCCAGAACCTGGAGACCTGGAC 1646
Db 1200 GAACCTGGGTGGAGGGACCAATCTGTGAGCTCCAGAACCTGGAGACCTGGAC 1259

QY 1647 AGGCTGACCAACACCTCTGAGACCTTGTGAGGACATCTGAGGGCATGTGTA 1706
Db 1260 AGGCTGACCAACACCTCTGAGGAGGCCATCTGAGGGCATGTGTA 1319

QY 1707 TTGCTCATTTTAACTCTGGTTACCTGA 1741
Db 1320 TTGCTCATTTTAACTCTGGTTACCTGA 1354

RESULT 12
US-09-186-277-3
Sequence 3, Application US/09186277
; Patent No. 6171841
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: 081356/0128
; CURRENT APPLICATION NUMBER: US/09/186, 277
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (94) .. (1455)
US-09-186-277-3

Query Match 29 6%; Score 515 6; DB 4; Length 2132;
Best Local Similarity 76.1%; Pred. No. 7.3e-129;
Matches 635; Conservative 0; Mismatches 199; Indels 0; Gaps 0;

Qy 61 CTTGAGCCATTACGAGCAGAGGTGGAGGCTTATGACATCGAGAGGCTGG 840
Db 813 CTTAGCAACACCAAGCAGGCTGGCAAGGACTTCATTCGCCGGTGTGTC 872
Qy 841 CCGGAAACGCTCAACTCAAAGGGCTCAGAACCCCTGGATCACCGGCT 894
Db 873 CAACGGAGATGACATGCCAGAGCCTGGAAACATTCCTGGATAAGCGAT 926

RESULT 13
US-09-159-385-4
Sequence 4, Application US/09159385
; Patent No. 5958748
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT APPLICATION NUMBER: US/09/159, 385
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (10) .. (1353)
US-09-159-385-4

Query Match 29 5%; Score 513.8; DB 2; Length 1429;
Best Local Similarity 76.2%; Pred. No. 1.9e-128;
Matches 632; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

Qy 61 CTTGAGCCATTACGAGCAGAGGTGGAGGCTTATGACATCGAGAGGCTGG 120
Db 9 CTTGAGCCATTACGAGCAGAGGTGGAGGCTTATGACATCGAGAGGCTGG 68

Qy 301 CGACGCTCATGAGAACGGCACCAGGGTGGCAGATCTTGAGTAGTGCTGGAGGA 360
Db 333 CGACGCTCATGAGAACGGCACCAGGGTGGCAGATCTTGAGTAGTGCTGGAGGA 392

Qy 361 GCTCTTGAGATTCTTGCCAGAAGAGGACTCTGAGGAGGCTCATGAGTAGTGCTGGAGGA 420
Db 393 GCTCTTGAGATTCTTGCCAGAAGAGGACTCTGAGGAGGCTCATGAGTAGTGCTGGAGGA 452

Qy 421 TAATGAGATCTGATGGGGTGAATACCTTCAGAACAGAACCTGCTACTTGATCT 480
Db 453 CACGAGATCTGGAGGGCTTACCTACCTGAGCTCATGAGTAGTGCTGGAGGA 512

Qy 481 CAAAGCAGAACATATGTTGAGACAGAATATCCATCACATCACATGAT 540
Db 513 GAAGCAGAACATACATGCTGAGACAGAACCTGAGCTGAGATCACAGCT 572

Qy 541 TGAATTTGGCTGGTCAGAAATAGAAGATGGAGTTGATTTGGAC 600

Db 573 CGATTTCGCACATCCGCACAGAGTCAGGGGGAACGAGTCAGAACACATCTCGGCAC 632
Qy 601 GCGCGAATTGTTGTTCTCCAGAAATTGTAAGCTACAGAGGCCCTGGCTCGAGGACAT 660
Db 633 CCCGAGTTGTCGGCCAGAGATTTGAGACTATGAGCCGCTGGGCCTGGGGACAT 692

Qy 661 GTGGAGCATAGGCTCACACCTACATCCTTAAGTGAGCATCCCTTCCCTGGAGA 720
Db 693 GTGGAGCATGGTGTACATCACCTATATCCTCTGAGCGCTGCAACCCGTTCCCTGGCA 752

Qy 721 CACGAGCAGAAACACTGGAAATATGAGTCAATCAGTGAGTACAGTGTGAGGAATT 780
Db 753 GACCAAGCAGAGGCTCACACATCTAACGGCTGACTTAGACTTGACGGAGGATA 812

Qy 781 CTTGAGCCATTACGAGCAGAGGTGGAGGCTTATGAGCTACAGAGGCCCTGGCTCGAGGAC 840
Db 813 CTTAGCAACACCAAGCAGGCTGGCAAGGACTTCATTCGCCGGTGTGTC 872

Qy 841 CCGGAAACGCTCAACTCAAAGGGCTCAGAACCCCTGGATCACCGGCT 894
Db 873 CAACGGAGATGACATGCCAGAGCCTGGAAACATTCCTGGATAAGCGAT 926

Qy 721 CACGAGCAGAAACACTGGAAATATGAGTCAATCAGTGAGTACAGTGTGAGGAATT 780
Db 753 GACCAAGCAGAGGCTCACACATCTAACGGCTGACTTAGACTTGACGGAGGATA 812

Qy 781 CTTGAGCCATTACGAGCAGAGGTGGAGGCTTATGAGCTACAGAGGCCCTGGCTCGAGGAC 840
Db 813 CTTAGCAACACCAAGCAGGCTGGCAAGGACTTCATTCGCCGGTGTGTC 872

Qy 841 CCGGAAACGCTCAACTCAAAGGGCTCAGAACCCCTGGATCACCGGCT 894
Db 873 CAACGGAGATGACATGCCAGAGCCTGGAAACATTCCTGGATAAGCGAT 926

```

Db 309 GCTTTCGACTTCCTGGCGGAGAAGGGATCATTGACGGGATGAGGCCACGCACTTCT 368
Qy 421 TAAGGAGATCCTGGATGGGGGAAGAACATCACCTCACAAAMATGCTCACTTGATCT 480
Db 369 CAACAATCTTAGACGGTGTCCACTACCTGCACTCCAGGGCATGCACACTTGACCT 428
Qy 481 CAGCGAGAAACATTATGTTAGACAGAAATTCCTCACACATCAACTGTAT 540
Db 429 GAAGCCGAGAACATCATGTGTTGACAGACAGCAGCCCCTGACATTAAGCTAT 488
Qy 541 TGACTTGGCTGCTCAGAAATAAGAGATGGGTGAATTAGAAATTGAGGAC 600
Db 489 CGACtttGGATGOCGACAGGATGAGGTGGAGGTTAGAAGACATCTTGGAC 548
Qy 601 GCGGGATTGTTGCTCAGAAATGTTGACTACATAGCCCTGAGTGGACAT 660
Db 549 ACCCGAGTTGTCGCCCGAGATGTGAACTAGGCACCTGGCTGGAGGTGACAT 608
Qy 661 GTGGAGCATAGGCTCATACCTACCTCTTAAAGAGATGGGGATCAGGAAATT 720
Db 609 GTGAGCATGGCTCATACCTACCTCTTAAAGAGATGGGGATCAGGAAATT 668
Qy 721 CACGAGCAGAAACACTGGAAATACTACAGTACAGTGGATGAGGAAATT 780
Db 669 GACCAAGCAGGAGGCTGAGAACATCTGAGACTATGACTTGATGAGGAATA 728
Qy 781 CTTCAGCCATAGGAGCTGGCCAGGACTTTTTCGAAAGCTCTGCTGTTAAAGAGC 840
Db 729 CTTACGAGACCAGGAGCTGGCCAGGACTTCATCCGAGGTGCTGGTCAAAGACCC 788
Qy 841 CCGGAAACGCTCAGATCCRAGAGCTCAGAACCCCTGGTCACG 889
Db 789 CAAGGAGGATGACATCGCACAGGCCTGGAGCATTCCTGGATCAG 837

RESULT 14
US-09-186-277-4
; Sequence 4, Application US/09186277
; Patent No. 6111841
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; CURRENT APPLICATION NUMBER: US/09/186,277
; CURRENT FILING DATE: 1998-11-05
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 4
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE: CDS
; LOCATION: (10)..(1353)
; US-09-186-277-4

Query Match 29.5%; Score 513; DB 4; Length 1429;
Best Local Similarity 76.2%; Pred. No. 1.9e-128; Matches 632; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

Qy 61 CATGGAGCCATTCAAGCAGAGAGTGGAGGACTTATGACATCGGAGAGGAGCTGG 120
Db 9 CATTGCACTTCGCGCAAGGAGTGTGGACCATATGAGATGGAGGGAGCTGG 68
Qy 121 GAGTGGCCAGTTGCTCATCGTGAAGAGTGGCCAGGAGGAGCTGG 180
Db 69 CAGTGGCCAGTTGCTCATCGTGAAGAGGAGCAGGGATGGATGATGTC 128
Qy 181 AGCAAGTCTCATGAGAAGGGCAGAGCCGGGAGGCCGGGGGTGAGCCGGAGA 240

Db 129 AGCAAGTCTCATGAGAAGGGGCTCTGCCATCCAGCGGGCGGGGTGAGCCGGAGGA 188
Qy 241 GATGAGGGAGGTGACATCTGGCGCAGGGCTGACACAGACATGTCATACGTC 300
Db 189 GATGAGACGGAGGTGACATCTGGCGCAGGATCCGCCCCACATCATACACTGCA 248
Qy 301 CGACCTATGAGACCCGACGCTGGTGCACATCTTGAGCTAGTCTGGAGGAGA 360
Db 249 TGAAGTGTGAGAACAGAGATGTTGCTGATCTGAGCTGGTGGTGGGGA 308
Qy 361 GCTTTCGATTCTGGCCAGAGGAGTCACTGAGTGGAGGAGGGCACCAGCTCAT 420
Db 309 GCTTTCGACTTCCTGGCCAGAGGAGTCACTGAGGAGGAGGAGGAGGAGGAGA 368
Qy 421 TAAGGAGATCCTGGATGGGGGAAGAACATCACCTCACAAAMATGCTCACTTGATCT 480
Db 429 GAAGCCGAGAACATCATGTGTTGACTACATAGCCCTGAGTGGACAT 488
Db 369 CAACAATCTTAGACGGTGTCCACTACCTGCACTCCAGGGCATGCACACTTGACCT 428
Qy 481 CAGCGAGAAACATTATGTTAGACAGAAATTCCTCACACATCAACTGTAT 540
Db 489 CGACtttGGATGOCGACAGGATGAGGTGGAGGTTAGAAGACATCTTGGAC 548
Qy 601 GCGGGATTGTTGCTCAGAAATGTTGACTACATAGCCCTGAGTGGACAT 660
Db 609 GTGAGCATGGCTCATACCTACCTCTTAAAGAGATGGGGATCAGGAAATT 668
Qy 721 CACGAGCAGAAACACTGGAAATACTACAGTACAGTGGATGAGGAAATT 780
Db 669 GACCAAGCAGGAGGCTGAGAACATCTGAGACTATGACTTGATGAGGAATA 728
Qy 781 CTTCAGCCATAGGAGCTGGCCAGGACTTTTTCGAAAGCTCTGCTGTTAAAGAGC 840
Db 729 CTTACGAGACCAGGAGCTGGCCAGGACTTCATCCGAGGTGCTGGTCAAAGACCC 788
Qy 841 CCGGAAACGCTCAGATCCRAGAGCTCAGAACCCCTGGTCACG 889
Db 789 CAAGGAGGATGACATCGCACAGGCCTGGAGCATTCCTGGATCAG 837

RESULT 15
US-08-631-097-3
; Sequence 3, Application US/08631097
; Patent No. 5968916
; GENERAL INFORMATION:
; APPLICANT: Kimchi, Adi
; TITLE OF INVENTION: Tumor Suppressor Genes, PROTEIN ENCODED THEREBY, AND USE OF SAID GENES AND PROTEIN
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wigman, Cohen, Leitner, & Myers, P.C.
; STREET: 900 17th Street, N.W., Suite 1000
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20006
; COMPUTER READABLE FORM:
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/631,097
; FILING DATE: 12-Apr-96
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:

```

APPLICATION NUMBER: PCT/US94/11598
 FILING DATE: 12-Oct-94
 ATTORNEY/AGENT INFORMATION:
 NAME: Cohen, Herbert
 REGISTRATION NUMBER: 25,109
 REFERENCE/DOCKET NUMBER: 0744 057
 TELEPHONE: (202)463-7700
 TELEFAX: (202)473-6915
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4935 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: Genomic DNA
 HYPOTHETICAL: No
 ANTI-SENSE: No
 FRAGMENT TYPE: NO. 596816 applicable
 ORIGINAL SOURCE:
 ORGANISM: homo sapiens
 STRAIN: not applicable
 INDIVIDUAL ISOLATE: not applicable
 DEVELOPMENTAL STAGE: not applicable
 HAPLOTYPE: not applicable
 TISSUE TYPE: blood
 CELL TYPE: Leucocyte
 CELL LINE: HeLa
 ORGANELLE: not applicable
 IMMEDIATE SOURCE:
 LIBRARY: not applicable
 CLONE: not applicable
 POSITION IN GENOME:
 CHROMOSOME SEGMENT: not applicable
 MAP POSITION: not applicable
 UNITS: not applicable
 FEATURE:
 NAME/KEY: Seq. ID. NO.: 3 is the sequence in claim 1(iii) as Figure 8 of the specification
 LOCATION: not available
 IDENTIFICATION METHOD: experiment-
 IDENTIFICATION METHOD: in specification-
 OTHER INFORMATION: prevention of IFN-2
 OTHER INFORMATION: promoted cell death
 PUBLICATION INFORMATION: not available
 US-08-631-097-3

Query Match, 25.8%; Score 449; DB 2; Length 4935;
 Best Local Similarity 67.1%; Pred. No. 6.3e-11;
 Matches 664; Conservative 0; Mismatches 301; Indels 24; Gaps 1;

Qy 59 AACATGGGCCATCAAGAGAGAACGACTTGTGACATCGAGAGGCTG 118
 Db 334 ATTCATGGACCGTGTGGCAGAAACAGTGATGATTACAGACCCGAGA 393
 Qy 119 GGGATGGCCAGTTGCCATGTGAGAGACTGCGCGAGAGGACGGGTGAGT 178
 Db 394 GGCATGGACAGTGTGGCTGTGAGAAATGCGCTGAGAAAGTACCGCTCAGAT 453
 Qy 179 GCAGCCAAGTTCATCAAGAGGCCAGAGCGCCGGCGCGGGTGAGCGGGAG 218
 Db 454 CCCGCCAAATTCAAGAGAGGAGGACTAGCCAGCGCCAGCACCATGCTCAGT 298
 Db 514 GACATGGAGGGGGCTGCACTCTGAAGAGGAGGACTCAAGGAGGAGGAGCCTG 573
 Qy 299 CACGAGCTATGAGAACGCCACCGACGAGCTGACATCTGTGAGCTGTGAGGA 358
 Db 574 CACGAGCTATGAGAACGAGACGAGCTCATCTGTGACTCTGTGAGCTGTGAGC 633
 Qy 359 GAGCTCTGATTCTGGCCAGAGGAGCTACTGAGTGAGGAGGAGGCCACAGCTC 418

Search completed: April 4, 2003, 20:54:08
 Job time : 100.942 secs

Db	634 GAGGTGTTGACTCTTAGCTGAAAGGATCTTAACUAGAAGGAGGAACTGAATT	693
Qy	419 ATTAGCAGATCCCTGATGGGTGACTACTTCACACAAGAAAATGCTCACTTGAT	478
Db	694 CTGACACAAATCTTAATGTTTACTACTGACTCCCTCAATGCCCACTTGT	753
Qy	479 CTCAGCCGAAACATGTTGCTGAGAAGATAATCCCTCACACATCAAGCTG	538
Db	754 CTTAAGCCAGAACATAATGCTTTGGATAGAAATGTCGCCAACCTCGATCAAGTC	813
Qy	539 ATGACTTGTCTGGCTCAAGAAATAGAGATGGAGTGAATTAGATAATTGGG	598
Db	814 ATTGACTT-----TGAATGAAATTAAACATATTGGG	849
Qy	599 ACGCGGAATTGTTGCTCCAGAAATTGTAACACTGAGCCCCTGGGTTGGAGT	658
Db	850 ACTCCAGAGTTGTGCTCTGAGATAGTCACATGACACTCTCTGGCTGTGAGGAGT	909
Qy	659 ATCGGAGCATAGCGTCATCACACTCTCTTAACGACATCCCTTCTGGG	718
Db	910 ATGTCGAGTATCGGGATAAACCTATCTCTCTCAAGTGGGCTCCCAATTCTGGA	969
Qy	719 GACAGGAGGAGAACACTGCAATACTACATCAGTGGTTAGACTTGTGAGGAA	778
Db	970 GACACTAACAGAAACCTAGCAATGTTGCGCTGCACTAGAGATTGGAGGAA	1029
Qy	779 TTCTTCAGCCATAGCAGGAGCTGGCCAAAGACTTTATGGAGCTCTGGTTAAGAG	838
Db	1030 TACTCTGATAAACAGTCGCCCTAGCCAAAGATTCTCATAGAAGACTCTGGTCAGGAT	1089
Qy	839 ACCGGAAGGGCTCACATCCAGAGGCTCTGACACCCCTGGATCAGGGGTGAC	898
Db	1090 CCAAGAAGAAGAATGACAATTCAGATGTTTCAGCATCCCTGATCAGCTAAAGAT	1149
Qy	899 AACAGCAAGCCATGGTGGACGGAGTGTGTCATACTGGAGACTTCAGGAGCAG	958
Db	1150 ACACACAGCACTTAGAGAAAGCATCGAGTAACATGGAAATTCAAAGTT	1209
Qy	959 TATGTCGCGGGCTGGAGCTCTTCAGCATGTCCTCGTGCACACCCTCACC	1018
Db	1210 GCAGCCGGAAAAATGGACAATCCGTCGCTGATATCACTGTGCCAAGATTAC	1269
Qy	1019 CGCTCGTGTGAGAAGGTCACCTGAG 1047	
Db	1270 AGGTCACTCTGTCAGAACATGAG 1298	

THIS PAGE IS BLANK

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

On nucleic - nucleic search, using sw model

Run on:

April 4, 2003, 20:37:02 ; Search time 189.917 Seconds

(without alignments) 8045.746 Million cell updates/sec

20 136.2 7.8 5207 10 US-09-858-664A-1 Sequence 1, Appli
21 136.2 7.8 7893 9 US-10-077-130-3 Sequence 3, Appli
22 136.2 7.8 8106 9 US-10-077-130-1 Sequence 1, Appli
23 136.2 7.8 23907 9 US-10-077-130-6 Sequence 6, Appli
24 136.2 7.8 24120 9 US-10-077-130-4 Sequence 4, Appli
25 134 7.7 259 10 US-09-864-761-17354 Sequence 17354, A
26 130 7.5 3731 9 US-09-925-299-114 Sequence 114, App
27 130 7.5 3731 10 US-09-925-299-114 Sequence 114, App
28 126.8 7.3 491 10 US-09-864-761-560 Sequence 560, App
29 123 7.1 518 9 US-09-796-692-8544 Sequence 8544, A
30 119.4 6.9 1947 9 US-10-024-0365B-6 Sequence 6, Appli
31 119.4 6.9 2454 10 US-09-992-481-3 Sequence 3, Appli
32 119.4 6.9 2824 10 US-09-992-481-5 Sequence 5, Appli
33 119.4 6.9 3579 9 US-10-024-0365B-4 Sequence 4, Appli
34 119 6.8 2230 10 US-09-828-313-26 Sequence 26, Appli
35 113.2 6.5 2007 12 US-10-054-579-1 Sequence 1, Appli
36 113.2 6.5 2025 9 US-09-842-582-3 Sequence 3, Appli
37 113.2 6.5 2219 9 US-09-842-582-1 Sequence 1, Appli
38 112.8 6.5 5637 10 US-09-917-800A-1537 Sequence 1537, Ap
39 108.2 6.2 1827 12 US-10-054-579-3 Sequence 3, Appli
40 107.6 6.2 1387 10 US-09-828-313-13 Sequence 13, Appli
41 104.8 6.0 1665 10 US-09-771-161A-56 Sequence 56, Appli
42 104.4 6.0 1367 10 US-09-925-352-262 Sequence 262, Appli
43 104.4 6.0 2637 12 US-10-060-332-1 Sequence 1, Appli
44 104 6.0 2061 12 US-10-099-960-1 Sequence 1, Appli
45 104 6.0 3705 12 US-10-044-090-227 Sequence 227, App

Title: US-09-719-748-1

Perfect score: 1742

Sequence: 1 gaccggcgagtcgaccc.....aaacttctgggttacctgaa 1742

Scoring table: IDENTITY_NUC GsPop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438533890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%*

Maximum Match 100%*

Listing first 45 summaries

Database : Published Applications NA:*

```
1: /cggn2_6/ptodata/2/pubpna/us07_PUBCOMB.seq:*
2: /cggn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
3: /cggn2_6/ptodata/2/pubpna/us06_PUBCOMB.seq:*
4: /cggn2_6/ptodata/2/pubpna/us05_PUBCOMB.seq:*
5: /cggn2_6/ptodata/2/pubpna/us07_PUBCOMB.seq:*
6: /cggn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
7: /cggn2_6/ptodata/2/pubpna/us08_NEW_PUB.seq:*
8: /cggn2_6/ptodata/2/pubpna/us08_PUBCOMB.seq:*
9: /cggn2_6/ptodata/2/pubpna/us09_NEW_PUB.seq:*
10: /cggn2_6/ptodata/2/pubpna/us09_PUBCOMB.seq:*
11: /cggn2_6/ptodata/2/pubpna/us10_NEW_PUB.seq:*
12: /cggn2_6/ptodata/2/pubpna/us10_PUBCOMB.seq:*
13: /cggn2_6/ptodata/2/pubpna/usgo_NEW_PUB.seq:*
14: /cggn2_6/ptodata/2/pubpna/usgo_PUBCOMB.seq:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1042.2	59.8	1864	10 US-09-757-982-10 Sequence 10, Appli
2	445.4	25.6	480	10 US-09-757-982-12 Sequence 12, Appli
3	203	11.7	5926	10 US-09-969-708-302 Sequence 302, Appli
4	203	11.7	5926	10 US-09-954-456-522 Sequence 522, Appli
5	202.8	11.7	5926	10 US-09-880-107-3371 Sequence 3371, Appli
6	202.8	11.6	3192	10 US-09-925-300-502 Sequence 502, Appli
7	187.2	10.7	1167	10 US-09-940-921B-6 Sequence 6, Appli
8	187.2	10.7	1197	10 US-09-940-921B-8 Sequence 8, Appli
9	177.2	10.7	1744	10 US-09-940-921B-10 Sequence 10, Appli
10	165.8	9.5	1788	10 US-09-797-039-9 Sequence 9, Appli
11	165.8	9.5	2046	10 US-09-797-039-7 Sequence 7, Appli
12	154	8.8	513	10 US-09-864-761-7320 Sequence 7320, Appli
13	149.8	8.6	153	10 US-09-864-761-24050 Sequence 24050, A
14	146.2	8.4	1074	9 US-10-024-036B-3 Sequence 3, Appli
15	146.2	8.4	1578	10 US-09-835-788A-6 Sequence 6, Appli
16	146.2	8.4	1772	9 US-10-024-036B-1 Sequence 1, Appli
17	141.8	8.1	1372	10 US-09-817-181-1 Sequence 1, Appli
18	140.6	8.1	1383	9 US-09-935-764-2 Sequence 2, Appli
19	140.6	8.1	1738	9 US-09-935-464-4 Sequence 4, Appli

RESULT 1

US-09-757-982-10

; Sequence 10, Application US/09757982

; Patent No. US20020094559A1

; GENERAL INFORMATION:

; APPLICANT: Acton, Susan

; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

; FILE REFERENCE: MNT-050

; CURRENT APPLICATION NUMBER: US/09/757, 982

; CURRENT FILING DATE: 2001-01-10

; PRIOR APPLICATION NUMBER: 09/163, 115

; PRIOR FILING DATE: 1998-09-29

; NUMBER OF SEQ ID NOS: 15

; SEQ ID NO: 10

; LENGTH: 1864

; SOFTWARE: Patentin Ver. 2.0

; ORGANISM: Homo sapiens

; FEATURE: DNA

; NAME/KEY: CDS

; LOCATION: (275) .. (754)

ALIGNMENTS

Query Match 59.8%; Score 1042.2; DB 10; Length 1864;
Best Local Similarity 99.2%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;
Matches 1047; Conservative 0; Mismatches 0; Bases 0; Gaps 0;

QY 687 TCCTCTTAAGTGAGCATCCCTTCCTCGGAGAACGGAGCACTGCCAAATA 746
Db 300 TCACTTAACTGGACATCCCTTCCTCGGAGAACGGAGCACTGCCAAATA 359

QY 747 TCACATCAGGAGTTACGACTTGTAGGAAATTCTCAGCCATACGAGGAGCTGGCA 806
Db 360 TCACAGCAGTAGGAGTTACGACTTGTAGGAAATTCTCAGCCATACGAGGAGCTGGCA 419

QY 807 AGGACTTATTCGAGCTCTGGTTAGGAGAACGGAGCACTGCCAAATA 866
Db 420 AGGACTTATTCGAGCTCTGGTTAGGAGAACGGAGCACTGCCAAATA 479

QY 867 CTCTCAGACCCCCCTGGATCACGCCGGTGGACACAGGAGCACTGCCAGGGAGT 926
Db 480 CTCTCAGACCCCCCTGGATCACGCCGGTGGACACAGGAGCACTGCCAGGGAGT 539

QY 927 CTGTTGGTCAACTGGAGAACCTCGAGAAGCGATGTCGCCAGCCGGTGAAGGTTCTCCT 986
Db 540 CTGGGTCAACTGGAGAACCTCGAGAAGCGATGTCGCCAGCCGGTGAAGGTTCTCCT 599
QY 987 TCACCATCGTCCTGTAACCGACCTCACCCCTCGCTGATGATAGAGGTGACCTCA 1046
Db 600 TCACCATCGTCCTGTCACCGACCTCACCCCTCGCTGATGATAGAGGTGACCTCA 659
QY 1047 GGCCGGATGAGGAACCTGGAGAAGCTGAGAGTGAGACTGGAGAGACATGCCAGGAGA 1106
Db 660 GGCGGGATGAGGAACCTGGAGAAGCTGAGAGTGAGACTGGAGAGACATGCCAGGAGA 719
QY 1107 AAGCCCTCCACCCACGGAGAGGAGGACAGCACCTCTTAACCTGGCTGACCTGGCG 1166
Db 720 AAGCCCTCCACCCACGGAGAGGAGGACAGCACCTCTTAACCTGGCTGACCTGGCG 779
QY 1167 CCAGGGAGGTGGACGCCAGGGAGCTGAGACTGGAGAGATGGCCACCTCAGC 1226
Db 780 CCAAGGAGGTCTGGGCCAGGGAGCTGAGACTGGAGAGATGGCCACCTCAGC 839
QY 1227 ACCGCCACCGGGCTCTGAGCCTTGCAGAGATGGCCAGGAATCTGAGACTTGGACCACCTCAGC 1286
Db 840 ACCAGCACCGGGCTCTGAGCCTTGCAGAGATGGCCAGGAATCTGAGACTTGGACCACCTCAGC 839
QY 1287 GCTTCAGGGAGCCAGGAGACCTGGAGACTGAGCTGCTTGAGGGAGCTCCA 1346
Db 900 GCTTCAGGGAGCCAGGAGACCTGGAGACTGAGCTGCTTGAGGGAGCTCCA 959
QY 1347 GCATTCCAAAGCTCTTAATCTCCATAAAATGGACCTTCTCTCTCATCTCAGA 1406
Db 960 GCATTCCAAAGCTCTTAATCTCCATAAAATGGACCTTCTCTCTCATCTCAGA 1019
QY 1407 GTCTGGGGGGAGATGGACTTGGAGAAACATAAAGGACATCCATCATCACCG 1466
Db 1020 GTCTGGGGGGAGATGGACTTGGAGAAACATAAAGGACATCCATCATCACCG 1079
QY 1467 GTGAGGTAGAGTAAGGAGCCCTCTCACAGCTGAGGGGTTCAGACCCCTGGC 1526
Db 1080 GTGAGGTAGAGTAAGGAGCCCTCTCACAGCTGAGGGGTTCAGACCCCTGGC 1139
QY 1527 CAAAAATTACACCAAGAGACAGACAGTCCTCCCATTGGAAACACGGTGAATGAGAAGT 1586
Db 1140 CAAAAATTACACCAAGAGACAGACAGTCCTCCCATTGGAAACACGGTGAATGAGAAGT 1199
QY 1587 GAACCTGGGTGGGGGACCAATCTGTGACCTCCAGAACCTGGAACGGACGTC 1646
Db 1200 GAACCTGGGTGGGGACCAATCTGTGACCTCCAGAACCTGGAACGGACGTC 1259
QY 1647 AGGTGGACCAACACTCAGACCTCTGACCGACCATGCTGGCCCATGTTGAAT 1706
Db 1260 AGGTGGACCAACACTCAGACCTCTGACCGACCATGCTGGCCCATGTTGAAT 1319
QY 1707 TTGTCATTTTAAACTCTGGTTACTCGA 1741
Db 1320 TTGTCATTTTAAACTCTGGTTACTCGA 1354

RESULT 2
US-09-757-982-12
; Sequence 12, Application US/09757982
; GENERAL INFORMATION:
; Patent No. US20020102532A1
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US/09/757,982
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12

RESULT 3
US-09-969-708-302
; Sequence 302, Application US/09969708
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signat
; FILE REFERENCE: 689320-70
; CURRENT APPLICATION NUMBER: US/09/969,708
; PRIOR APPLICATION NUMBER: US/60/237,606
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,608
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,425
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 302
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-757-982-12

Query Match 11.7%; Score 203; DB 10; Length 5926;
Best Local Similarity 59.1%; Pred. No. 5.9e-53; Matches 388; Conserv. 0; Mismatches 260; Indels 9; Gaps 2;

QY 236 GAGGAGATCGAGCCGGAGGTGAGGATCTGGGGAGGTCTGCACCAACATGTCATCAG 295 ; PRIORITY APPLICATION NUMBER: US/60/235, 840
Db 4629 GACATATTCGGGGAGATTAGCATGAACTGCTTCACCAACCTAAGCTGTCAG 4688 ; PRIOR FILING DATE: 2000-09-27
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

Query Match 11.7%; Score 203; DB 10; Length 5926;
Best Local Similarity 59.1%; Pred. No. 5.98-5; Mismatches 0; Indels 9; Gaps 2;
Matches 388; Conservative 0; Mismatches 260; Indels 9; Gaps 2;

QY 413 AGCTTCAATTAGCAGATCTGGATGGGGTGAACCTCACACAAAGAAATTGCTAC 472 ;
Db 4809 AAGTACATGGGGAGATCTGGAGGAGTGAGAACATTCACAGCAGGCCATCGTCAC 4868 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 473 TTGATCTCAAGCCAGAAACATTATGTTAGACAAGAATTCCATTCACACACTAC 532 ;
Db 4869 CTGGACCTCAAGCCGGAGAACATCTGTGTGCAACAGACGGCCACCA-----GGATC 4922 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 533 AACGTGATGACTTGGTGTGGCTACAGAACATAGAAGATGGACTTGANTTAAGAATT 592 ;
Db 4923 AAGCTCATGACTTGGGAGCTGAGGAGCTGAGAACATGGGAGCTGGCTTCAC 5982 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 593 TTGGGACCCGGAAATTGTGCTCCAGAAATTGTAACAGGAAATTGCTGGAG 652 ;
Db 4983 TTGGCACCCAAATTGTGGCTCTGAAGTGTCAACTATAGGCCATCGCCATCCC 5042 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 653 GCTGACATGTGGACCATAGGGTGTACACCTACACCTCTTAAGTGGAGCATCCCTTC 712 ;
Db 5043 ACAGACATGTGGACATCGGGTGTACACCTACACCTACACCTACACCTACAC 5102 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 713 CTGGAGACAGACGAGCAACTCTGCAATTCAGTGTGAGTGTGACTTCAACAA 772 ;
Db 5103 ATGGAGAACAGCATGAACTTGGGACCTACACCTACACCTACACCTACAC 5162 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 773 GAGGAAATTCTCACCATCGAGGAGCTGGCCAGGACTTATCGGAGCTCTGGT 832 ;
Db 5163 GACGAGGATTCGATGAGATCTCGACATGCAAGGATTCACTGAGTGTGAG 5222 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 833 AAAGAGACCGGAAACGGCTCACATCCAGAGCTCTCAGACACCCCTGGATCACG 889 ;
Db 5223 AAAGATATGAAACCGCCTGGACTGCACGCAGTGCCCTCAGCATGGCTATG 5279 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

RESULT 4
US-09-954-456-522

; Sequence 522, Application US/0954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
; FILE REFERENCE: 68930-76
; CURRENT APPLICATION NUMBER: US/09/954, 456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233, 617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234, 052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234, 923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235, 134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235, 637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235, 638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235, 711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235, 720
; PRIOR FILING DATE: 2000-09-27

QY 713 CTGGAGACAGACGAGCAACTCTGCAATTCAGTGTGAGTGTGACTTCAACAA 772 ;
Db 5103 ATGGAGAACAGCATGAACTTGGGACCTACACCTACACCTACACCTACAC 5162 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 773 GAGGAAATTCTCACCATCGAGGAGCTGGCCAGGACTTATCGGAGCTCTGGT 832 ;
Db 5163 GACGAGGATTCGATGAGATCTCGACATGCAAGGATTCACTGAGTGTGAG 5222 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

QY 833 AAAGAGACCGGAAACGGCTCACATCCAGAGCTCTCAGACACCCCTGGATCACG 889 ;
Db 5223 AAAGATATGAAACCGCCTGGACTGCACGCAGTGCCCTCAGCATGGCTATG 5279 ;
; PRIORITY APPLICATION NUMBER: US/60/235, 840
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 522
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-522

RESULT 5
US-09-880-107-3371
; Sequence 3371, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darcie T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107

CURRENT FILING DATE: 2001-06-14
 PRIORITY APPLICATION NUMBER: US 60/211,379
 PRIORITY FILING DATE: 2000-06-14
 PRIORITY APPLICATION NUMBER: US 60/237,054
 PRIORITY FILING DATE: 2000-10-02
 NUMBER OF SEQ ID NOS: 350
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 3371
 LENGTH: 5926
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: Genbank Accession No. US20020142981A1 U48959
 US-09-880-107-3371

Query Match 11.7%; Score 203; DB 10; Length 5926;
 Best Local Similarity 59.1%; Pred. No. 5.9e-53; Mismatches 20; Indels 9; Gaps 2;
 Matches 388; Conservative 0; MisMatches 20;

Qy 236 GAGGAGATCGAGGGGGGTGAGCATCTGCGCAGGTGTCGACCAATGTCATCAGG 295
 Db 4629 GAGAAATATCCGCCAGGAGATTAGCATGACTGCTCCACACCTTAAGTGTCCAG 4688

Qy 296 CTGCACACAGTGTATGAGAACCCGACCGACCTGGTSCACATCCTTGAGCTGTGGA 355
 Db 4689 TCTGTGGATGCCTTGAGAACCCGACCGACCTGGTSCACATCCTTGAGCTGTGGA 4748

Qy 356 GGAGAGCTCTGATTCTGCCAGAAGARGTCACCTGAGCAGGAGGCCACC 412
 Db 4749 GGGAGCTGTGAGCOCATCTGAGCAGGAGCTTGAGCTGAGCAGGCTGATC 4808

Qy 413 AGCTTCAATGAGAGTCTGTTGAGACTACTTCACACAAGAAATTGCTCAC 472
 Db 4809 AAGTACATGCGGGAGATCTCGGGAGGAGTGTGAGTACATCCACAGGSCATCTGAC 4888

Qy 473 TTGACTCTAACCGAGAACATATGTTGTTGAGAGATAATCCATCCACACATC 532
 Db 4869 CTGACCTCAAGCCGAGAACATCATGTTGTCACAAAGGGGACCA-----GGATC 4922

Qy 533 AAGCTGATGACTTGTCTGGCTCACGAATAAGAGATGGAGTTGAATTAAGATATT 592
 Db 4923 AAGCTCATGACTTGTCTGGCTCACGAATAAGAGATGGAGATGGGCTCTGAAGSTCTC 4982

Qy 593 TTGGGACGCCGAATTGTTGCTCCAGAAATTGTTGACTACGGCCCTGGGTGGAG 652
 Db 4983 TTGGCACCCAGAATTGTGCTCTGAATGTCACATGAGCCATGGCTACGCC 5042

Qy 653 GCTGAAATGTTGAGCATAGSGTCCTCACTACTCTCTTAATGGAGGATCCCTTC 712
 Db 5043 ACAGACATGTCGAGCATCGGGTCACTACATCCTGAGCTGGACCTGGACTTCGAC 5102

Qy 713 CTGGGAGACAGGAGAACACTGGCAATAATCACATGAGTGTAGCTGGTTGAT 772
 Db 5103 ATGGGAGACAGATACAGAACACTTGGCAACGTTACCTGAGCTGGACCTGGAC 5162

Qy 773 GAGGAATCTCGCATGGAGCAGGAGCTTATGGAGCTCTGGTT 832
 Db 5163 GACGAGGCTTGTGAGCATGTCGAGATCAGTCAGGATTCTCATGCACTCTGTGAG 5222

Qy 833 AAAGAGACCCGAGAACGGCTCACAAATCCAGAGGCTCTAGACACCCCGAGACG 889
 Db 5223 AAAGATATGAAAACGCCCTGGACTGCAACGAGCTGGCTCATGGCTATG 5279

RESULT 6
 US-09-925-300-502
 Sequence 502, Application US/0925300
 ; GENERAL INFORMATION:
 ; Patent No. US20020151681A1
 ; APPLICANT: Craig Rosen,
 ; ATTORNEY: Steve Rubin,
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA101

CURRENT APPLICATION NUMBER: US/09/925,300
 CURRENT FILING DATE: 2001-08-10
 PRIORITY APPLICATION NUMBER: PCT/US00/05988
 PRIORITY FILING DATE: 2000-03-08
 PRIORITY APPLICATION NUMBER: 60/124,270
 PRIORITY FILING DATE: 1999-03-12
 NUMBER OF SEQ ID NOS: 1890
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 502
 LENGTH: 3192
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (3085)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-925-300-502

Query Match 11.6%; Score 202.8; DB 10; Length 3192;
 Best Local Similarity 59.3%; Pred. No. 4.7e-53; Mismatches 253; Indels 9; Gaps 2;
 Matches 383; Conservative 1; MisMatches 253;

Qy 236 GAGGAGATCGAGGGGGGTGAGCATCTGCGCAGGTGTCGACCAATGTCATCAGG 295
 Db 1875 GAGAAATATCCGCCAGGAGATTAGCATGACTGCTCCACACCTTAAGTGTCCAG 1934

Qy 296 CTGCACACAGTGTATGAGAACCCGACCGACCTGGTSCACATCCTTGAGCTGTGGA 355
 Db 1935 TTGTTGAGATCCCTTGAGAACAAAGGCCAACATCTGTCATGTCATGTCATGTCAGGA 1994

Qy 356 GGAGAGCTCTGATTCCTGGCCAGAGAGGTCACCTGAGCAGGAGCTTGAGCTGAGGAGGCCACC 412
 Db 1995 GGSGAGCTTGTGAGCATCTGACGAGTTGAGCTGAGGAGCTGGTACGGAGGCTGAGT 2054

Qy 413 AGCTTCAATGAGAGTCTGTTGAGACTACTTCACACAAGAAATTGCTCAC 472
 Db 2055 AAGPACATCGGGAGATCTGGAGGAGTTGAGTACATCCACAGCAGGGCTCGTCAC 2114

Qy 473 TTGACTCTAACCGAGAACATATGTTGTTGAGAGATAATCCACATCCACACATC 532
 Db 2115 CTGACCTCAAGCCGAGAACATCATGTTGTCACAGAGACGGCACCA-----GGATC 2168

Qy 533 AAGCTGATGACTTGTCTGGCTCCAGAAATTGTTGACTACGGCCCTGGGTGGAG 652
 Db 2169 AAGCTCATGACTTGTGCTCTGGCTCCAGAGGCTGAGACGCGGGCTCTGAGGTCCTC 2228

Qy 593 TTGGGACCCGGAAATTGTTGCTCCAGAAATGTTGACTACGGCCCTGGGTGGAG 652
 Db 2229 TTGGGACCCGGAAATTGTTGCTCCAGAAATGTTGACTACGGCCATCTGGCTACCC 2288

Qy 653 GCTGACATGTCGAGCATGGGTCATACCTACATCCTCTTAAAGTGGAGCTGGACCTGGAC 712
 Db 2289 ACAGACATGTTGAGCATGGGTCATCTGTCACATCTGAGTGTGGCTTCCCTTC 2348

Qy 713 CTGGGAGACAGGAGAACACTGGCAATAATCACATGAGTGTAGCTGGTTGAT 772
 Db 2349 ATGGGAGACAGATACAGAACCTTGGCAACGTTACCTCTGGCCACCTGGACTCTGAC 2408

Qy 773 GAGGAATCTCGCATGGAGCAGGAGCTGGCAAGGACTTATGGAGGCTCTGCTGGTT 832
 Db 2409 GACGAGGCTTGTGAGCATGGGTCATCTGTCACATCTGAGTGTGGCTTCCCTTC 2468

Qy 833 AAAGAGACCCGAGAACGGCTCACAAATCCAGAGGCTCTAGACACCCCGAGACG 878
 Db 2469 AAAGATATGAAAACGCCCTGGACTGCAACGAGCTGGCTCATGCAACCTGCTGAAG 2514

RESULT 7
 US-09-940-921B-6
 Sequence 6, Application US/09940921B
 ; Sequence 6, Application US/09940921B
 ; Patent No. US20020147320A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Friddie, Carl Johan

APPLICANT: Hilbun, Erin
 APPLICANT: Nepomichny, Boris
 TITLE OF INVENTION: No. US2002014720A1 Human Kinase Proteins and Polynucleotides E
 FILE REFERENCE: LEX-0227-USA
 CURRENT APPLICATION NUMBER: US/09/940, 921B
 CURRENT FILING DATE: 2002-05-21
 PRIOR FILING DATE: 2000-08-31
 NUMBER OF SEQ ID NOS: 10
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 6
 LENGTH: 1167
 TYPE: DNA
 ORGANISM: homo sapiens
 ; US-09-940-921B-6

Query Match 10.7%; Score 187.2; DB 10; Length 1167;
 Best Local Similarity 55.8%; Pred. No. 2.2e-48;
 Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

Qy 109 AGAGAGAGCTGGGGTGGCCAGTRGCCATCGGAGAAGTGCCTGGAGAACGACCG 168
 Db 327 AGAAATCCTTAGGAGCAGGGCTTCGGCCAGTCACAGTGTCAGGAGACGCCACGG 386

Qy 169 GCTTGAGTATGCAGCCAGTCATCAAGAGGGCAGAGCCGGAGGGCGGT 228
 Db 387 TCTGAAGCTGCGCAGCAATCATCAAGAC-----CAGAGSCATGAA 428

Qy 229 GAGCGGGGGAGGAGTCGAGCGGGGGGTGAGCACGTCAGCTGTCACCG 288
 Db 429 GGACAGAGGGAGGTGAAGAGACGAGATCAGCTGTCATGAACACCAGTTGACCGAACCT 488

Qy 289 CATACTGCGCACACAGTCATGAGAACCGCACGAGCGTGTGACACCTCTGGCTACT 348
 Db 489 CATCAGCTGACTCATGCCTCGAGTCAGAAGACATGTCCTGGTCATGGTATCT 548

Qy 349 GTCTGGAGGAGGACTCTCCA---TTCTCTGGCCAGAAGGACTCTGAGTGGAGGA 405
 Db 549 GGATGGTGGGGAGGTGTTGACCCATCATCGTGTGAGACTACATTGACGGGCTGAA 608

Qy 406 GGCCACCAAGCTCTTAAAGAGATCTGGATGGGCTGTAACACTTCACACAAGAAAT 465
 Db 609 TACCATCCCTCATGAGAGATATGTGAGGGATAAGCCACATGTCATCAGATGTACAT 668

Qy 466 TGCTCACTTGTATCAAGCCAGAACATTATCTGTGAGCTAGAGAAATTCCATTC 525
 Db 669 TCTCAGCTTGACTCTGAACTGAGAATCTCTGTGAGTCAGGAGCTCTGAGTCTAG---- 723

Qy 526 ACACATCAAGCTGATGACTTGTGCTGGCTCAGGAATAGAGATGGGTGATTAA 585
 Db 724 -CAATAAAATTATGTGTTGATGGCTGAGAGATCAAACCCAGAGAGAGCTGAA 782

Qy 586 GAATATTTGGGAGCCGAATTGTGTTGCTCCGAATAATTGTGACTACAGCTGG 645
 Db 783 GGTCGACTTGTGACTGTGAGCATAGGCTCATACCTACATCTCTAAGTGGAGCATC 842

Qy 646 TCTTGAGGGCTGACTGTGAGCTGAGGCTCATACCTACATCTCTAAGTGGAGCATC 705
 Db 843 ATTTCACACTGACTGTGGCTGAGGCTCATACCTACATCTCTAAGTGGAGCATC 902

Qy 706 CCCTTCTCTGGAGAACAGGAGCAACTGCAATATCACATCGTGTGTTGAA 765
 Db 903 GCCTTCTCTGGGTCATCAATGATGTGAGCTACACATCTGGCTGAGCTGGGA 982

Qy 766 CTTCTGAGGAAATCTTCAGCCATACGAGCACGACTGCTGGCAAGGACTTATTGGAGGT 825
 Db 963 CTAGAGGAGTAGGAAATTCTGGAGCATCTGGAGAGGGCTCAAGGAGCT 1022

Qy 826 TCTGGTTAAGAGGCCGCGAACGCTCAACATCAAGGGCTCTGACACCCCTGAA 805
 Db 1023 TCTGTTAAGAGGAGAGTGTGGCTGAGCTAATGTCAGCAAGGAGCTCATCAGCACCTGGT 1082

RESULT 8
 US-09-940-921B-8
 Sequence 8, Application US/09940921B
 ; Patent No. US2002014720A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Fridle, Carl Johan
 ; APPLICANT: Hilbun, Erin
 ; APPLICANT: Nepomichny, Boris
 ; APPLICANT: Hu, Yi
 TITLE OF INVENTION: No. US2002014720A1 Human Kinase Proteins and Polynucleotides E
 CURRENT APPLICATION NUMBER: US/09/940, 921B
 CURRENT FILING DATE: 2002-05-21
 PRIOR FILING DATE: 2000-08-31
 NUMBER OF SEQ ID NOS: 10
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 8
 LENGTH: 1197
 TYPE: DNA
 ORGANISM: homo sapiens
 ; US-09-940-921B-8

Query Match 10.7%; Score 187.2; DB 10; Length 1197;
 Best Local Similarity 55.8%; Pred. No. 2.2e-48;
 Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

Qy 109 AGAGAGCTGGGGAGTGGCCAGTTGCGCATGTGAGAAGAGTGCCTGGAGAACGACGG 168
 Db 327 AGAAATCCTTAGGAGCAGGGCTTCGGCCAGTCACAGTGTCAGGAGACGCCACGG 386

Qy 169 GCTTGAGTATGCAGCCAGTCATCAAGAGGGCAGAGCCGGAGGGCGGT 228
 Db 387 TCTGAAGCTGCGCAGCAATCATCAAGAC-----CAGAGSCATGAA 428

Qy 229 GAGCGGGGGAGGAGTCGAGCGGGGGGTGAGCACGTCAGCTGTCACCG 288
 Db 429 GGACAGAGGGAGGTGAAGAGACGAGATCAGCTGTCATGAACACCAGTTGACCGAACCT 488

Qy 289 CATACTGCGCACACAGTCATGAGAACCGCACGAGCGTGTGACACCTTCACACAAGAAAT 465
 Db 387 TCTGAAGCTGCGCAGCAATCATCAAGAC-----CAGAGSCATGAA 428

Qy 229 GAGCGGGGGAGGAGTCGAGCCGGAGGCTGAGCATCTCTGGAGCTGGCTGCAACACAGT 288
 Db 429 GGACAGAGGGAGGTGAAGAGACGAGATCAGCTGCGCATGACACAGCCACGG 488

Qy 289 CATACTGCGCACACAGTCATGAGAACCGCACGAGCGTGTGACACCTTCACACAAGAAAT 465
 Db 489 CATCAGCTGAGCTGAGTCAGGAGTCAGGAGATCAGCTGTCAGCTGAGCTGACATGGCTACT 548

Qy 349 GTCTGGAGGAGGACTCTCCA---TTCTCTGGCCAGAAGGACTCTGAGTGGAGGA 405
 Db 549 GGATGGTGGGGAGGTGTTGACCCATCATCGTGTGAGACTACATTGACGGGCTGAA 608

Qy 406 GGCCACCAAGCTCTTAAAGAGATCTGGATGGGCTGTAACACTTCACACAAGAAAT 465
 Db 609 TACCATCCCTCATGAGAGATATGTGAGGGATAAGCCACATGTCATCAGATGTACAT 668

Qy 466 TGCTCACTTGTATCAAGCCAGAACATTATCTGTGAGCTAGAGAAATTCCATTC 525
 Db 669 TCTCAGCTTGACTCTGAACTGAGAATCTCTGTGAGTCAGGAGCTCTGAGTCTAG---- 723

Qy 526 ACACATCAAGCTGATGACTTGTGCTGGCTCAGGAATAGAGATGGGTGATTAA 585
 Db 724 -CAATAAAATTATGTGTTGATGGCTGAGAGATCAAACCCAGAGAGCTGAA 782

Qy 586 GAATATTTGGGAGCCGAATTGTGTTGCTCCGAATAATTGTGACTACAGCTGG 645
 Db 783 GGTCGACTTGTGACTGTGAGCATAGGCTCATACCTACATCTCTAAGTGGAGCATC 842

Qy 646 TCTTGAGGGCTGACTGTGAGCTGAGGCTCATACCTACATCTCTAAGTGGAGCATC 705
 Db 724 -CAATAAAATTATGTGTTGACTCTGAGGAGCTACACCTACATCTCTAAGTGGAGCATC 782

Qy 706 CCCTTCTCTGGAGAACAGGAGCAACTGCAATATCACATCGTGTGTTGAA 765
 Db 783 GGTCGACTTGTGAGCATCCAGAAATTCTGGCCCTGAGAGTGTGACTATGTTGTTTC 842

Qy 766 CTTCTGAGGAAATCTTCAGCCATACGAGCACGACTGCTGGCAAGGACTTATTGGAGGT 825
 Db 843 ATTTCACACTGACTGTGGCTGAGGCTCATACCTACATCTCTAAGTGGAGCATC 902

Qy 826 TCTGGTTAAGAGGCCGCGAACGCTCAACATCAAGGGCTCTGACACCCCTGAA 805
 Db 903 GCCTTCTCTGGGTCATCAATGATGTGAGGAGCTCATCAGCACCTGGCTGAGGTGGA 962

Qy 766 CTTTGATGAGGAATTCTCGAGCATACGAGCGAGCTGAGCTACATCTGGCTGAGGTGGA 825

RESULT 9
US-09-940-921B-10
Sequence 10, Application US/09940921B
Patent No. US20020147320A1
GENERAL INFORMATION:
APPLICANT: Fridalle, Carl Johan
APPLICANT: Nepomichy, Boris
TITLE OF INVENTION: No. US20020147320A1; Human Kinase Proteins and Polynucleotides
FILE REFERENCE: LEX-0227-USA
CURRENT APPLICATION NUMBER: US/09/940, 921B
CURRENT FILING DATE: 2002-05-21
PRIORITY APPLICATION NUMBER: US 60/229, 280
PRIORITY FILING DATE: 2000-08-31
NUMBER OF SEQ ID NOS: 10
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 10
LENGTH: 1744
TYPE: DNA
ORGANISM: homo sapiens
US-09-940-921B-10

Query Match 10.7%; Score 187.2; DB 10; Length 1744;
Best Local Similarity 55.8%; Pred. No. 2.7e-48;
Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

Qy 109 AGAGAGCTGGAGCTGGCCAGTTGCCATCGTGAGAGAGTGCAGGAGAGAGCACGGG 168
Db 608 AGAACATCCTAGGAGGGCGTTGCCAGGTTCACAAGTGTAGGAGAGGGCACAGG 667
Qy 169 GCTTGATGATGAGCCAAAGTCATCAAGAACGGCGAGGCCGGAGCGGCCGGT 228
Db 668 TCTGAGCTGGCAGCCAAATCATCGAACAC-----CAGAGGATGAA 709
Qy 229 GAGCCGGAGGAGTCAGCGGGAGSTGAGCATCGCCAGTGCTGCCACCAATG 288
Db 710 GGAAAGGAGGAGGTAAGAACGAGATCAGGTATGAAACCAGCTGGACACGGAACT 769
Qy 289 CATACGCTCACAGAGCTATGAGAACCCACCCAGCGCTGGACATCTGAGCTG 348
Db 770 CATTCACTGTRACGATGCGACTCTAAAGAACGACATGTCTCTGTCATGGATGT 829
Qy 349 GTCTGAGGAGCTCTTCGA---TTCTCGGCCAGAAGGAGTCACTGAGTGGGAGA 405
Db 830 GGATGGTGGGAGGCTGGTGGACCGCATCATCGTAGAGCTACATTGAGGGCTGA 889
Qy 406 GGCACCAAGCTCTAAGGAGATCTGGAGGGGAGTGAACCTCACACAAGAAAT 465
Db 890 TACCATCTGTCATGAGAGATGAGCTGGGGATAAGGCACATGCTAGTACAT 949
Qy 466 TGCTCACTTGATCTCAAGCAGAAACATATGTTAGACAGAAATTCCATGCC 525
Db 950 TCTCCACTTGACCTGACCTGAGATACTCTGGTGAATGGGAGCTAG----- 1004
Qy 526 ACACATCAAGCTGATGACTTGTGCTGCTCAGAAATGAGAGATGGGGTGAATTAA 585
Db 1005 -CAATAAAATATTATGATTTGATGTTGGCAGAGATAACAACCCAGAGAGCTGA 1063
Qy 586 GAATTTTGGACCCGGATTTGTCAGAAATGAGACTACGAGCCCTGG 645
Db 1064 GGTGAACTTGTGAAACCCAGAAATCTCCCTGAGACTATGAGATTTGTTTC 1123
Qy 646 TCTGGAGGTGACATGTGAGCATAGGGCATAGCTACATCCTCTAGTGAGCATC 705

RESULT 10
US-09-797-039-9
Sequence 9, Application US/09797039
Patent No. US20020142099A1
GENERAL INFORMATION:
APPLICANT: Olandt, Peter J.
TITLE OF INVENTION: KINASE FAMILY MEMBERS AND USES THEREFOR
FILE REFERENCE: 1048-017001
CURRENT APPLICATION NUMBER: US/09/797, 039
PRIORITY APPLICATION NUMBER: US 60/186, 061
PRIORITY FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9
LENGTH: 1788
TYPE: DNA
ORGANISM: Homo sapiens
US-09-797-039-9

Query Match 9.5%; Score 165.8; DB 10; Length 1788;
Best Local Similarity 54.0%; Pred. No. 1.6e-41;
Matches 422; Conservative 0; Mismatches 332; Indels 27; Gaps 3;

Qy 110 GAGGAGCTGGAGTGCCTGCCATCGTGAGAGAGTGCAGGGAGAACGACGGG 169
Db 865 GAGGCGCTGGAGGTGGAGTTGGCCAGTGTGAGACTGATGGAGAACGCCAGGC 924
Qy 170 CTGAGATGCAAGCAAGTCTCAAGAACGGCGAGGCCGGAGCGAGGGCTG 229
Db 925 CTAAAGCTGGCAACCAAGTCTCAAGAACGACTCCAAAGACAA----- 971
Qy 230 AGCGGGAGGAGTCAGGGGGTGAGCATCTGGCGGGTGTCCACCAAAATGTC 289
Db 972 -----GGAATGGTGTCTGGAGATGAGCTGACCAACGACACGCAACTG 1026
Qy 290 ATCACGCTGCCACCAAGTCTCAAGAACGACTCCAAAGACAA----- 971
Db 1027 ATCCAGCTGATGAGCGCATGAGACTCCGGATGAGTCGCTGTACATGGAGTACATC 1086
Qy 350 TCTGGAGGAGGCTCTCGA---TTCTGGCCAGAGGGTCACTGAGTGGGAG 406
Db 1087 GAGGGCGAGGAGCTCTGAGAGATGTTGGATGAGGACTACATCTGAGGGCTGAC 1146
Qy 407 GCACCAAGCTCTAAGAACATCTGGATGGGTGAACCTCTCACACAAAGAAATT 466
Db 1147 ACCATGGTGTGTCAGCGCAATCTGTGACCGGATCCTCTCATGCAAGATGGGTT 1206
Qy 467 GTCACATTGATCTCAAGCAGAAACATITGTTGTTAGACAGATAATTCCATCCA 526
Db 1207 TCTGACCTTGAGCTCAAGCAGAAACATCTGTGTCAGTCACACCA-----CCGGCAT 1260
Qy 527 CACATCAGCTGATGAGCTTGTGTCAGGAAATAGAGATGGAGTGAATTAG 586
Db 1261 TCTGGAGAGATGAGCTGAGCTTGTGTCAGGAGGATAACCCACGAGAGCTGAAG 1320

Qy 587 AATTTTTRGGGAGCCGATTTGTTGCCAGAATGTGACTAGAGCCCTGGT 646
Db 1321 GTGAACTTGGACCCAGTCTGTCACCTGAGTGTGAATTGACCAATCTCC 1380
Qy 647 CTGGAGGTGACATGTGGAGCATGGGTCATCCTACATCCTTAAGTGGCATCC 706
Db 1381 GATTAAGACAGATGGATATGGGGATCCTCTTAACTGAGGCTCT 1440
Qy 707 CCTTCCTGGAGCACGAGCAGAACACTGCCTAATCACATCACTGAGTACGAC 766
Db 1441 CCCTTCCTGGAGATGATGACACAGACCTAACAGGTCTATCTGGCAACTGGTAC 1500
Qy 767 TTGATGAGAACGAGCCGAAACGCTCAGAACTGAGGCTCTAGAACCCCTGGATC 886
Db 1501 TTGATGAGAACGAGCTTGGCGCTATGAGCAGGCCAAAGGCTCTCCACCTC 1560
Qy 827 CTGGTAAGAGACCCGAAACGCTCAGAACTCCAAAGGGCTCTAGAACCCCTGGATC 1620
Qy 887 A 887
Db 1621 A 1621

RESULT 11
US-09-797-039-7
; Sequence 7, Application US/09797039
; Patent No. US20020042099A1
; GENERAL INFORMATION:
; APPLICANT: Olandt, Peter J.
; APPLICANT: Kapeller-Libermann, Rosana
; TITLE OF INVENTION: KINASE FAMILY MEMBERS AND USES THEREFOR
; FILE REFERENCE: 10448-01701
; CURRENT APPLICATION NUMBER: US/09-797, 039
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/186, 061
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 2046
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (119)...(1906)
; NAME/KEY: misc_feature
; LOCATION: (1)...(206)
; OTHER INFORMATION: n = A,T,C or G

Query Match: 9.5%; Score 165.9; DB 10; Length 2046;
Best local similarity 54.0%; Pred. No. 1.7e-41;
Matches 422; Conservative 0; Mismatches 332; Indels 27; Gaps 3;

Qy 110 GAGCAGCTGGGAGTGCCAGTTGCCATCTGAGAAGCTGCCGGAGAGCCACGGG 169
Db 983 GAGCGCTGGAGGGCGAGTCTGAGTACCTGATGAGAAGCCACGG 1042
Qy 170 CTGGAGTATGCCAGCAAGTCATCAAAGAGGGAGGCCGGAGGGGGTGGTGG 229
Db 1043 CTCAGCTGCAGCAAGTCATCAAAGAGCTCCAAAGCAA----- 1089
Qy 230 AGCCGGAGGAGATGAGGGGAGTGAGCATCTGCGCAGGTTGCTGACCACATGTC 289
Db 1090 ---GGAATGGTGTGTTGAGGATGAGGCTATGAACTGACCGGAATCTG 1144
Qy 290 ATCAGCTGAGGCTGAGCCACGGCTPATGAGAACCCACGGCTGCACTCTGGCTAGT 349
Db 1145 ATCCAGCTGATGAGCCATGAGAACCTCGGATGATGCTCTGTTCTGGATACATC 1204

Qy 350 TCTGGAGGAGCTCTGA---TTCTGGCCAGAGGAGTCAGTGAGGAGGAG 406
Db 1205 GAGCGGGAGAGCTCTGGAGGATGCTGGAGGAGTACCATCTGACCGAGGTGAC 1264
Qy 407 GCCACAGCTCTTAAGGAGATGCTGGATGGGTGACTACCTCACACAGAATT 466
Db 1265 ACCGGGTTGCTCAGGAGACTCTGAGGGATCCCTCTCATGAGAAGAATT 1324
Qy 467 GCTCACTTGTCTCAAGCGAGAACACTGCTGAGGCTCTAGCTCCACCTC 526
Db 1325 TTGACCTGGACCTOAAGCAGAGAACATCTCTGGTCAACACCA----CGGGAT 1378
Qy 527 CACATCAGCTGATGACTTGTCTGCTCAGAATAGAGATGGGTGATTAG 586
Db 1379 TTGGTAAGATCATGACTTGTCTGGCTGGACAGGTTATAACCAACAGAGCTGAG 1438
Qy 587 AATTTTGGAGCCGAAATGGTGTCTCCAGAAATGTAAGGAGCCCTGGT 646
Db 1439 GTGAACTTGTGGAGCATGGGAGGCTGAGGTTGAGGAGCTGAGCATCC 1498
Qy 647 CTGAGCTTGGACAGCTGGGAGTGGGATCACCTACATCCTCTAAGTGGAGCATCC 706
Db 1499 GATTAAGACAGACATGGGAGTGGGATCACCTACATGCTGCTGAGGGCTCTCC 1558
Qy 707 CCTTCCTGGAGCACAGGAGAACACCTGCAATATCACATCGTGTGTTACAC 766
Db 1559 CCCTTCCTGGAGATGATGACACAGAACCTAACACAGTCTATCTGCAACTGGT 1618
Qy 767 TTGATGAGGAACTTCTGAGCATACAGGAGCTGGCAAGGACTTATCGAAGGT 826
Db 1619 TTGATGAGGAACTTCTGAGCATACAGGAGCTGGCAAGGACTTATCGAAGGT 1678
Qy 827 CTGGTAAGAGACCCGAAACGGCTCACATCCAAGGGCTCTGAGCACCCCTGGATC 886
Db 1679 ATGGTCAAGGACAGAGGGCCGGATGAGCTGCCCAGTGTCTGCCATCCCTGGTC 1738
Qy 887 A 887
Db 1739 A 1739

RESULT 12
US-09-864-761-7320
; Sequence 7320, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR FILE REFERENCE: Aeonica-X-1
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; CURRENT APPLICATION NUMBER: US/09/864-761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: GB 24263-6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632, 366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/180, 312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/235, 359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00668
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00660
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00670
 PRIOR FILING DATE: 2001-01-29
 NUMBER OF SEQ ID NOS: 49117
 SOFTWARE: Amnonax Sequence Listing Engine vers. 1.1
 LENGTH: 513
 SEQ ID NO: 7-320
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: MAP TO AC015914.3
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.8
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.4
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.6
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.6
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 6.1
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.8
 US-09-864-761-7320

Query Match 8.8%; Score 154; DB 10; Length 513;
 Best Local Similarity 94.1%; Pred. No. 3. 9e-18; Indels 0; Gaps 0;
 Matches 160; Conservative 0; Mismatches 10;

QY 687 TCCTCTTAAGTGGAGATCCCTTCCTGGAGACGAGAACACTGCCAATA 746
 Db 62 TCGCTTAAGTGGAGATCCCTTCCTGGAGACGAGAACACTGCCAATA 121
 QY 747 TCACATCAGTGTAGTACGACTTGTGAGGATTCTCAGCATACGAGCGAGTGCCCA 806
 Db 122 TCAAGCAGTGTAGTACGACTTGTGAGGATTCTCAGCCAGCAGGAGCTGGCCA 181

QY 807 AGGACTTTATTCGGAAGCTCTGTTAAAGAGAACCGGAAACGCTCACA 856
 Db 182 AGGACTTTATTCGGAAGCTCTGTTAAAGAGAACCGGAAACGCTCACA 231

RESULT 13
 US-09-864-761-24050
 Sequence 24050, Application US/09864761
 ; Patient No. US2002048763A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Weisheng
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 FILE REFERENCE: Acomix-X-1
 CURRENT APPLICATION NUMBER: US/09/864 761

PRIOR APPLICATION NUMBER: US 6/0/180, 312
 PRIOR FILING DATE: 2000-02-04
 PRIOR APPLICATION NUMBER: US 6/0/207, 456
 PRIOR FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: US 09/632, 366
 PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6
 PRIOR FILING DATE: 2000-10-04
 PRIOR APPLICATION NUMBER: US 6/0/236, 359
 PRIOR FILING DATE: 2000-09-27
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00667
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00664
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00668
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00660
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00670
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00670
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: US 6/0/234, 687
 PRIOR FILING DATE: 2000-09-21
 SEQ ID NO: 7-320
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: MAP TO AC015914.3
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.8
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.4
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.6
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.6
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 6.1
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.8
 OTHER INFORMATION: SWISSPROT HIT: P53355, EVALUE 5.00e-17
 OTHER INFORMATION: NT HIT: AB018001.1, EVALUE 4.00e-81
 OTHER INFORMATION: EST_HUMAN HIT: AW603538.1, EVALUE 6.00e-81
 US-09-864-761-24050

Query Match 8.6%; Score 149.8; DB 10; Length 153;
 Best Local Similarity 98.7%; Pred. No. 4.1e-37; Indels 0; Gaps 0;
 Matches 151; Conservative 0; Mismatches 37;

QY 691 CTTAGTGGAGATCCCTTCCTGGAGACGAGAACACTGCCAATA 750
 Db 1 CTTAAGTGGAGATCCCTTCCTGGAGACGAGAACACTGCCAATA 60

QY 751 ATCGTGTAGTACGACTTGTGAGGATTCTCAGCATACGAGGCTGGCCAGGA 810
 Db 61 AGCAGTGTAGTACGACTTGTGAGGATTCTCAGCCAGCGAGCTGGCCAGGA 120

QY 811 CTTTATTCGGAAGCTCTGTTAAAGAGACCCG 843
 Db 121 CTTTATTCGGAAGCTCTGTTAAAGAGACCCG 153

RESULT 14
 US-10-024-036B-3
 Sequence 3, Application US/10024036B
 ; Publication No. US20030028004A1
 ; GENERAL INFORMATION:

```

; APPLICANT: Bandaru Rajasekhar
; TITLE OF INVENTION: 68730 and 69112, Protein Kinase
; FILE REFERENCE: MP1:000-521PIR(M)
; CURRENT APPLICATION NUMBER: US10/024,036B
; CURRENT FILING DATE: 2001-12-17
; PRIORITY APPLICATION NUMBER: 60/258222
; PRIORITY FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 1074
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-024-036B-3

Query Match          8.4%; Score 146.2; DB 9; Length 1074;
Best Local Similarity 52.7%; Pred. No. 1.8e-35;
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;
Qy  242 ATCCAGGGGGAGGATCTCGCGAGGTGCAACATGTCATCACCTGCAC 301.
Db  196 ATAGAGAATGAGATAGCCGCTCTAGAGAAAGATTAAGCATGAATAATTGTTGCCCTGGAA 255
Qy  302 GACCTCTATGAGAACCGAACGAGCTGCTGACACTCCTTGAGCTAGTGTCTGGAGAG 361.
Db  256 GACATTATGAAAGCCAAATCAGCTGACTCTGACTTGTCATCAGCTGTTGCCGGAG 315
Qy  362 CTCTCGATTCCTGGCCAGAGGAGTCACTGAGTGGAGGGGCCACCGTTCAATTGTTGCCCTGGAA 255
Db  316 CTGTGTGACCGGAAAGTGGAGAGGGTTTATCAGAGAAGGTGCCAGCACCTGTGAT 375
Qy  422 AAGGAGATCCTGGATGGGGTGAACATGACTACCTTCACAGAACAAATTGTCACTTGTCTC 481.
Db  376 CGCCAACTTGGACGCCGTGACTATCTCCACAGAATGGCATGTGTCACAGAGACCTC 435
Qy  482 AASCAGAAAACATATGTTGAGACAATATTCCATTCACACATCAAGCTGATT 541.
Db  436 AAGCCGAAATA--TCTCTGTACTACAGTCAGATGAGGAGTCACAAATAATGATCAGT 492
Qy  542 GACTTTGGCTGGTCACGAATAGAGATGGAGTTAAGAATATTGGAGG 601.
Db  493 GACTTTGGATTTGTCACAAATTGGAGGGCAAGGAGATGTCACCTGCTGGAACT 552
Qy  602 CCGGAATTGTTGTCACGAATGTAACCTACAGGCCCTGGCTCTGGAGGTGACAGT 661.
Db  553 CCAGCTATGTCGCTCTGAGTCACAGAACCTACAGAACAGCCGTGACTC 612
Qy  662 TGGAGCATAGGGCTCATCCATCTTAACTGTCAGCATCCCTTCCTGGAGC 721.
Db  613 TGGCCATCGGAGGTGATGCCATCTGCTCTGGCTACCCCTCTTTATGATGAA 672
Qy  722 ACGAGAGCAGAACACTGGCAATAATCATCATCAGTAGGTTGAGGAATC 781.
Db  673 AATGACTCCAGCTCTTGAGCAAGATCTCAAGGGGAATATGGTTGACTCCCTAC 732
Qy  782 TTGAGCCATAGGAGCTGGCCAGAGCTTATTCGAGAGCTCTGCTTAAGAGACC 841.
Db  733 TGGGATGACATCTCGACTCTGCAAAAGACTCTCTGGAAACCTGAGAACCG 792
Qy  842 CGGAAACGSGCTCAGAACATCCAGAGAGCTCTCGAGAACCCCTGGACAC 888
Db  793 AATAAAAGATACAGTGTGAGCAGCGCTGGCACCCATGGATGCC 839

RESULT 15
US-09-835-788A-6
; Sequence 6, Application US/09835788A
; Patent No. US20030077458A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Death Domain-Containing Receptor Polynucleotides, Polypeptides, a
; TITLE OF INVENTION: Antibodies
; ORGANISM: Homo sapiens
; US-09-835-788A-6

Query Match          8.4%; Score 146.2; DB 10; Length 1578;
Best Local Similarity 52.7%; Pred. No. 2.2e-35;
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;
Qy  242 ATCCAGGGGGAGGATCTCGCGAGGTGCAACATGTCATCACCTGCAC 301.
Db  192 ATAGAGAATGAGATAGCCGCTCTAGAGAAAGATTAAGCATGAATAATTGTTGCCCTGGAA 255
Qy  302 GACCTCTATGAGAACCGAACGAGCTGCTGACACTCCTTGAGCTAGTGTCTGGAGAG 361.
Db  252 GACATTATGAAAGCCAAATCAGCTGACTCTGACTTGTCATCAGCTGTTGCCGGAG 311
Qy  362 CTCTCGATTCCTGGCCAGAGGAGTCACTGAGTGGAGGGGCCACCGTTCAATTGTTGCCCTGGAA 255
Db  312 CTGTGTGACCGGAAAGTGGAGAGGGTTTATCAGAGAAGGTGCCAGCACCTGTGAT 371
Qy  422 AASCAGAAAACATATGTTGAGACAATATTCCATTCACACATCAAGCTGACTC 481.
Db  372 CGCCAACTTGGACGCCGTGACTATCTCCACAGAATGGCATGTGTCACAGAGACCTC 431
Qy  482 AAGCCAGAAAACATATTGTTGAGACAAGAATATTCCATTCACACATCAAGCTGATT 541.
Db  432 AAGCCGAAATA--TCTCTGTACTACAGTCAGATGAGGAGTCACAAATAATGATCAGT 488
Qy  542 GACTTTGGCTGGCTCACGAATAGAGATGGAGTTGAGATTTRAGAATATTGGAGG 601.
Db  489 GACTTTGGATTTGTCACAAATTGGAGGGCAAGGAGATGTCACCTGCTGACTGTC 661
Qy  602 CCGGAATTGTTGTCACGAATGTAACCTACAGGCCCTGGCTCTGGCTTGAGGACT 548
Db  549 CCAGCTATGTCGCTCTGAGTCACCCACAAACCTTACAGAACAGCCGTGACTC 608
Qy  662 TGGAGCATAGGGCTCATCCATCTAAGTGGAGCATCCCTTCCTGGAGC 721.
Db  609 TGGCCATCGGAGGTGATGCCATCTGCTCTGGCTACCCCTCTTTATGATGAA 668
Qy  722 ACGAGAGCAGAACACTGGCAATAATCATCATCAGTAGTGAATTGAGGAATC 781.
Db  669 AATGACTCCAGCTCTTGAGCAAGGGGAATATGGTTGACTCTCCCTAC 728
Qy  782 TTGAGCCATAGGAGCTGGCCAGAGCTTATTCGAGAGCTCTGCTTAAGAGACC 841.
Db  729 TGGGATGACATCTCGACTCTGCAAAAGACTCTCTGGAAACCTGAGAACCG 788
Qy  842 CGGAAACGSGCTCAGAACATCCAGAGAGCTCTCGAGAACCCCTGGACAC 888
Db  789 AATAAAAGATACAGTGTGAGCAGCGCTGGCACCCATGGATGCC 835

FILE REFERENCE: PT018P1
CURRENT APPLICATION NUMBER: US/09/835,788A
CURRENT FILING DATE: 2001-04-17
PRIORITY APPLICATION NUMBER: PCT/US00/28666
PRIORITY FILING DATE: 2000-10-17
PRIORITY APPLICATION NUMBER: 60/159,585
PRIORITY FILING DATE: 1999-10-18
PRIORITY APPLICATION NUMBER: 60/167,246
PRIORITY FILING DATE: 1999-11-24
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO: 6
LENGTH: 1578
TYPE: DNA
ORGANISM: Homo sapiens
; US-09-835-788A-6

Query Match          8.4%; Score 146.2; DB 10; Length 1578;
Best Local Similarity 52.7%; Pred. No. 2.2e-35;
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;
Qy  242 ATCCAGGGGGAGGATCTCGCGAGGTGCAACATGTCATCACCTGCAC 301.
Db  192 ATAGAGAATGAGATAGCCGCTCTAGAGAAAGATTAAGCATGAATAATTGTTGCCCTGGAA 255
Qy  302 GACCTCTATGAGAACCGAACGAGCTGCTGACACTCCTTGAGCTAGTGTCTGGAGAG 361.
Db  252 GACATTATGAAAGCCAAATCAGCTGACTCTGACTTGTCATCAGCTGTTGCCGGAG 311
Qy  362 CTCTCGATTCCTGGCCAGAGGAGTCACTGAGTGGAGGGGCCACCGTTCAATTGTTGCCCTGGAA 255
Db  312 CTGTGTGACCGGAAAGTGGAGAGGGTTTATCAGAGAAGGTGCCAGCACCTGTGAT 371
Qy  422 AASCAGAAAACATATGTTGAGACAATATTCCATTCACACATCAAGCTGACTC 481.
Db  372 CGCCAACTTGGACGCCGTGACTATCTCCACAGAATGGCATGTGTCACAGAGACCTC 431
Qy  482 AAGCCAGAAAACATATTGTTGAGACAAGAATATTCCATTCACACATCAAGCTGATT 541.
Db  432 AAGCCGAAATA--TCTCTGTACTACAGTCAGATGAGGAGTCACAAATAATGATCAGT 488
Qy  542 GACTTTGGCTGGCTCACGAATAGAGATGGAGTTGAGATTTRAGAATATTGGAGG 601.
Db  489 GACTTTGGATTTGTCACAAATTGGAGGGCAAGGAGATGTCACCTGCTGACTGTC 661
Qy  602 CCGGAATTGTTGTCACGAATGTAACCTACAGGCCCTGGCTCTGGCTTGAGGACT 548
Db  549 CCAGCTATGTCGCTCTGAGTCACCCACAAACCTTACAGAACAGCCGTGACTC 608
Qy  662 TGGAGCATAGGGCTCATCCATCTAAGTGGAGCATCCCTTCCTGGAGC 721.
Db  609 TGGCCATCGGAGGTGATGCCATCTGCTCTGGCTACCCCTCTTTATGATGAA 668
Qy  722 ACGAGAGCAGAACACTGGCAATAATCATCATCAGTAGTGAATTGAGGAATC 781.
Db  669 AATGACTCCAGCTCTTGAGCAAGGGGAATATGGTTGACTCTCCCTAC 728
Qy  782 TTGAGCCATAGGAGCTGGCCAGAGCTTATTCGAGAGCTCTGCTTAAGAGACC 841.
Db  729 TGGGATGACATCTCGACTCTGCAAAAGACTCTCTGGAAACCTGAGAACCG 788
Qy  842 CGGAAACGSGCTCAGAACATCCAGAGAGCTCTCGAGAACCCCTGGACAC 888
Db  789 AATAAAAGATACAGTGTGAGCAGCGCTGGCACCCATGGATGCC 835

Search completed: April 4, 2003, 22:33:58
Job time : 221.917 secs

```

THIS PAGE IS BLANK.

Gencore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

Om nucleic - nucleic search, using sw model

Run on:

April 4, 2003, 19:22:42 ; Search time 6.058 Seconds

6074.810 Million cell updates/sec

Title: US-09-719-748-1_COPY_1022_1141

Perfect score: 120

Sequence: 1 tcgtgtatgagaagggtgca.....ggagggaggcgcacctcc 120

Scoring table: IDENTITY_NUC

Gapext 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

1: /cgnr_6/podata/lina/5A_COMB.seq:*

2: /cgnr_6/podata/lina/5B_COMB.seq:*

3: /cgnr_6/podata/lina/6A_COMB.seq:*

4: /cgnr_6/podata/lina/6B_COMB.seq:*

5: /cgnr_6/podata/lina/PCUS_COMB.seq:*

6: /cgnr_6/podata/lina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Total number of hits satisfying chosen parameters:

Minimum Match 0%
Maximum Match 100%Post-processing: Minimum Match 0%
Maximum Match 100%

Database :

Issued Patents NA:*

1: /cgnr_6/podata/lina/5A_COMB.seq:*

2: /cgnr_6/podata/lina/5B_COMB.seq:*

3: /cgnr_6/podata/lina/6A_COMB.seq:*

4: /cgnr_6/podata/lina/6B_COMB.seq:*

5: /cgnr_6/podata/lina/PCUS_COMB.seq:*

6: /cgnr_6/podata/lina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Post-processing: Minimum Match 0%
Maximum Match 100%

Database :

Issued Patents NA:*

1: /cgnr_6/podata/lina/5A_COMB.seq:*

2: /cgnr_6/podata/lina/5B_COMB.seq:*

3: /cgnr_6/podata/lina/6A_COMB.seq:*

4: /cgnr_6/podata/lina/6B_COMB.seq:*

5: /cgnr_6/podata/lina/PCUS_COMB.seq:*

6: /cgnr_6/podata/lina/backfile1.seq:*

RESULT 1
US-09-221-235-12
; Sequence 12, Application US/09221235
; Patent No. 6043040
; GENERAL INFORMATION:
; APPLICANT: ACTON, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNT-050
; CURRENT APPLICATION NUMBER: US/09/221,235
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE:
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-235-12

Query Match 100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservatism 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAGAGGTGTCACCTTGAGGAGCTGAGACTGTGAGAGTCAC 60
Db 361 TCGCTGATGAGAGGTGTCACCTTGAGGAGCTGAGACTGTGAGAGTCAC 420

QY 61 ACTGGAGGAGCATGCCAGGAGGAAGCCCTCACCCACGGAGGAGGAGCACCTCC 120
Db 421 ACTGAGGAGGACATGCCAGGAGGAAGCCCTCACCCACGGAGGAGCACCTCC 480

RESULT 2
US-09-221-928-12
; Sequence 12, Application US/09221928
; Patent No. 6121030
; GENERAL INFORMATION:
; APPLICANT: ACTON, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNT-050
; CURRENT APPLICATION NUMBER: US/09/221,928
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0

us-09-719-748-1_copy_1022_1141.rni

```

; SEQ ID NO: 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
; US-09-221-928-12

Query Match Similarity 100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26; Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
FILE REFERENCE: MNI-050
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
CURRENT FILING NUMBER: US/09/221,527
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
; US-09-221-527-12

RESULT 3
US-09-221-527-12
; Sequence 12, Application US/09221527
; Patent No. 6146832
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT FILING NUMBER: US/09/221,527
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
; US-09-221-527-12

Query Match Similarity 100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26; Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
FILE REFERENCE: MNI-050
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
CURRENT FILING NUMBER: US/09/221,527
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
; US-09-221-527-12

RESULT 4
US-09-221-236-12
; Sequence 12, Application US/09221236
; Patent No. 6146841
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT FILING NUMBER: US/09/221,236
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 12
; LENGTH: 480

RESULT 5
US-09-221-416-12
; Sequence 12, Application US/09221416
; Patent No. 6153417
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT FILING NUMBER: US/09/221,416
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
; US-09-221-416-12

Query Match Similarity 100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26; Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
FILE REFERENCE: MNI-050
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
CURRENT FILING NUMBER: US/09/221,416
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
; US-09-221-416-12

RESULT 6
US-09-221-245-12
; Sequence 12, Application US/09221245
; Patent No. 6180358
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT FILING NUMBER: US/09/221,245
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: US 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 12
; LENGTH: 480

```

```

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (1)..(480)
; LOCATION: (1)..(480)

US-09-221-245-12
Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4,5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query 1 TCGTGTGATGAAAGAAGGTGACCTGGCCCGATAGGACCTGTGAGGACTGTGAGGTGAC 60
Db 361 TCGCTGATGAAAGAAGGTGACCTGGCCCGATAGGACCTGTGAGGACTGTGAGGTGAC 420
Query 61 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCACGGAGGAGGAGCACCTCC 120
Db 421 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCACGGAGGAGGAGCACCTCC 480

RESULT 7
US-09-163-115-12
; Sequence 12, Application US/09163115A
; Patent No. 6183962
; GENERAL INFORMATION:
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/163,115A
; CURRENT FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (1)..(480)

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4,5e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query 1 TCGTGTGATGAAAGAAGGTGACCTGGCCCGATAGGACCTGTGAGGACTGTGAGGTGAC 60
Db 361 TCGCTGATGAAAGAAGGTGACCTGGCCCGATAGGACCTGTGAGGACTGTGAGGTGAC 420
Query 61 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCACGGAGGAGGAGCACCTCC 120
Db 421 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCACGGAGGAGGAGCACCTCC 480

RESULT 9
US-09-593-553-12
; Sequence 12, Application US/09593553
; Patent No. 6200770
; GENERAL INFORMATION:
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/593,553
; CURRENT FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: 09/163,115
; PRIOR FILING DATE: 1998-09-28
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (1)..(480)

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4,5e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query 1 TCGTGTGATGAAAGAAGGTGACCTGGCCCGATAGGACCTGTGAGGACTGTGAGGTGAC 60
Db 361 TCGCTGATGAAAGAAGGTGACCTGGCCCGATAGGACCTGTGAGGACTGTGAGGTGAC 420
Query 61 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCACGGAGGAGGAGCACCTCC 120
Db 421 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCACGGAGGAGGAGCACCTCC 480

RESULT 8
US-09-221-528-12
; Sequence 12, Application US/09221528
; Patent No. 6190874
; GENERAL INFORMATION:
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,528
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (1)..(480)

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4,5e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query 1 TCGTGTGATGAAAGAAGGTGACCTGGCCCGATAGGACCTGTGAGGACTGTGAGGTGAC 60
Db 361 TCGCTGATGAAAGAAGGTGACCTGGCCCGATAGGACCTGTGAGGACTGTGAGGTGAC 420
Query 61 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCACGGAGGAGGAGCACCTCC 120
Db 421 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCACGGAGGAGGAGCACCTCC 480

RESULT 10
US-09-221-237-12
; Sequence 12, Application US/09221237
; Patent No. 6214597
; GENERAL INFORMATION:
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,237
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (1)..(480)

```

; LOCATION: (1)..(480)
; US-09-221-237-12

Query Match Similarity 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; ;
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,235
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-235-10

Query Match Similarity 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; ;
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,235
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-235-10

US-09-221-928-10

Query Match Similarity 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; ;
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,527
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-527-10

US-09-221-928-10

Query Match Similarity 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; ;
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,928
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-928-10

Query Match 100.0%; Score 120; DB 3; Length 1864;
 Best Local Similarity 100.0%; Pred. No. 5, Be-26;
 Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 TCGTGTGATGAGAAGGGCACCTGAGGCCGATAGGACCTGAGGAACCTGAGTGAC 60
Db 635 TCGTGTGATGAGAAGGGCACCTGAGGCCGATAGGACCTGAGGAACCTGAGTGAC 694
QY 61 ACTTAGGAGGACATGCCAGGAAASCCCTCACCACGGAGGAGGAGCACCTCC 120
Db 695 ACTTAGGAGGACATGCCAGGAAAGCCTCCACCCAGGAGGAGGAGCACCTCC 754

```

RESULT 15

US-09-221-416-10

; Sequence 10, Application US/09221416

; Patent No. 6153417

GENERAL INFORMATION:

APPLICANT: Action, Suban

TITLE OF INVENTION: NOVEL CSAPI-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: MN1-050

CURRENT APPLICATION NUMBER: US/09/221,416

CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115

EARLIER FILING DATE: 1998-09-29

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 10

LENGTH: 1864

TYPE: DNA

NAME/KEY: HOMO SAPIENS

FEATURE: CDS

LOCATION: (275)..(754)

US-09-221-416-10

Query Match 100.0%; Score 120; DB 3; Length 1864;
 Best Local Similarity 100.0%; Pred. No. 5, Be-26;
 Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 TCGTGTGATGAGAAGGGCACCTGAGGCCGATAGGACCTGAGGAACCTGAGTGAC 60
Db 635 TCGTGTGATGAGAAGGGCACCTGAGGCCGATAGGACCTGAGGAACCTGAGTGAC 694
QY 61 ACTTAGGAGGACATGCCAGGAAASCCCTCACCACGGAGGAGGAGCACCTCC 120
Db 695 ACTTAGGAGGACATGCCAGGAAAGCCTCCACCCAGGAGGAGGAGCACCTCC 754

```

Search completed: April 4, 2003, 20:54:09
 Job time : 7.058 secs

This Page Blank (uspto)

RESULT 4
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/757,982
; PRIORITY FILING DATE: 2001-01-10
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; ORGANISM: Homo sapiens
; LOCATION: (275)..(754)
; US-09-757-982-10

Query Match 100.0%; Score 120; DB 10; Length 1864;
Best Local Similarity 100.0%; Pred. No. 3.9e-29; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; Delins 0;

Qy 1 TCGCTGATGAGAAGGTGACCTGGGGCATGAGGACTTGAGAGTGCAC 60
Db 635 TCGCTGATGAGAAGGTGACCTGGGGCATGAGGACTTGAGAGTGCAC 694

Qy 61 ACTGAGGAGGACATGCCAGGAGGAAGGCCCTCCACCGGAGGAGGACCTCC 120
Db 695 ACTGAGGAGGACATGCCAGGAGGAAGGCCCTCACCAAGGAGGAGGAGGACCTCC 754

RESULT 3
US-09-863-049A-3
; Sequence 3, Application US/09863049A
; Publication No. US20030032055A1
; GENERAL INFORMATION:
; APPLICANT: Kenwick, Sue J.
; APPLICANT: Nelson, David L.
; APPLICANT: Aradhyo, Swaroop
; APPLICANT: D'Urso, Michele
; APPLICANT: Woffordin, Hayley
; APPLICANT: Munich, Arnold
; APPLICANT: Smahi, Asmae
; APPLICANT: Israel, Alain
; APPLICANT: Poustra, Anemarie
; APPLICANT: Lewis, Richard A
; APPLICANT: Levy, Moise
; APPLICANT: Heiss, Nina
; TITLE OF INVENTION: Diagnosis and Treatment of Medical Conditions Associated with Def
; TITLE OF INVENTION: NF-κappa B (NF-κB) Activation
; FILE REFERENCE: HO-P01961US1
; CURRENT APPLICATION NUMBER: US/09/863, 049A
; CURRENT FILING DATE: 2001-05-22
; PRIORITY FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 2035
; TYPE: DNA
; ORGANISM: Human
; US-09-863-049A-3

Query Match 25.0%; Score 30; DB 10; Length 250;
Best Local Similarity 53.6%; Pred. No. 1.1; Indels 0; Gaps 0;
Matches 60; Conservative 0; Mismatches 52; Delins 0;

Qy 8 TGAGAAAGGTGACCTGGGGCATGAGGACTTGAGAGTGCACACTGAGG 67
Db 128 TGAGAAAGGTGACCTGGGGCATGAGGACTTGAGAGTGCACACTGAGG 187

Qy 68 AGGACATCCAGGAGGAAGCCCTCCACCCACGGAGGAGGAGCACCCTC 119
Db 188 GGTCATGCCTCCACATCGGGGGCTCAGGNGGAGGAGGACCTACGTC 239

US-09-294-093B-5722
; SEQ ID NO 5722
; LENGTH: 250
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010051335A1 700382227H1
; LOCATION: 25, 29, 78, 159, 223
; OTHER INFORMATION: a, t, c, g, or other

RESULT 5
US-09-764-868-1487
; Sequence 1487, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ22
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; PRIORITY FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1487
; LENGTH: 2452
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-868-1487

Query Match 24.7%; Score 29.6; DB 9; Length 22452;
Best Local Similarity 59.5%; Pred. No. 2.1; Indels 0; Gaps 0;
Matches 50; Conservative 0; Mismatches 34; Delins 0;

Qy 2 CGCTGATGAGAAGGTGCTGGGGATGAGGACTTGAGAGTGCAC 61
Db 19120 CTCTTTAGAACATCCTGGGGGGTGGTCAACCTGTAATCCTAGCA 19179

Qy 62 CTGAGGAGGACATGCCAGGAGGAAG 85
Db 19180 CTTGGAGGCTGAGGAGGAGGAGA 19203

Qy 9 GAGGAAGGTGACCTGGGGCATGAGGACTTGAGAGTGCAC 68
Db 536 GAGGGAGGAGCTTGCGGGAGGTGGAGACCTGAAGAGATGCCAGGAGATGGCTGA 595

Qy 69 GGCATGCCAGGAGGAAGGCC 91
Db 596 GGCAAGGCCCTGTGAAAGGCC 618

```

RESULT 6
US-09-764-868-1489
; Sequence 1489, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION DATA REMOVED - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1489
; LENGTH: 22452
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-868-1489

Query Match 24.7%; Score 29.6; DB 9; Length 22452;
Best Local Similarity 59.5%; Pred. No. 2.1; Matches 50; Conservative 0; Mismatches 0; Gaps 0; Indels 0; Gaps 0;
Db 19120 CTCCTTTAGAACATCACCTGAGGCCGGTGGGTGCTCACACTGTAATCTAGCA 19179

Qy 62 CTGAGGGAGGACATGCCAGGGAGGA 85
Db 19180 CTTTGGGAGGCTGAGGCAGGTGGA 19203

RESULT 7
US-09-835-232-7
; Sequence 7, Application US/09835232
; Patent No. US2002009889A1
; GENERAL INFORMATION:
; APPLICANT: Leder, Philip
; APPLICANT: Leader, Benjamin
; TITLE OF INVENTION: FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES
; TITLE OF INVENTION: - AND USES THEREOF
; FILE REFERENCE: 0038/052002
; CURRENT APPLICATION NUMBER: US/09/835,232
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: US 60/196,811
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PastSEQ for Windows Version 4.0
; SEQ ID NO: 7
; LENGTH: 170834
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: misc_feature
; LOCATION: (1)..(170834)
; OTHER INFORMATION: n= A,T,C, or G
; US-09-835-232-7

Query Match 24.3%; Score 29.2; DB 10; Length 170834;
Best Local Similarity 54.7%; Pred. No. 3.3; Matches 58; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
Db 72085 TGTAAATGATGTCATGTGAGGAACTGAGGAACTGTGAGAGTCACCTG 64
Qy 65 AGGGGACATGCCAGGGAAACCCCTCACCACGGAGGAGGAG 110
Db 72145 AGGAGAGCAGGCCGAGAGATGTGCCAACACCTGTATGATGAG 72190

RESULT 8
US-10-163-866-51/C
; Sequence 51, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLC75 AS MODIFIERS OF THE P53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT APPLICATION NUMBER: US/10/163,866
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; PRIOR FILING DATE: 2002-02-15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 51
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-163-866-51

Query Match 23.8%; Score 28.6; DB 9; Length 1541;
Best Local Similarity 54.2%; Pred. No. 3.5; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0; Gaps 0;
Db 1167 TCATCACACAGTGACACGAGGGACAGGCCACGGGGTGAGCTGTGGATCATGG 110
Qy 65 AGGGGACATGCCAGGGAAACCCCTCACCACGGAGGAGGAG 111
Db 1107 AGAGGATGGGSCAGGGCTCCGGGACCCACGAGAGGC 1061

RESULT 9
US-09-981-353-64
; Sequence 64, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO: 64
; LENGTH: 1556
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: misc_feature
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 3231154CB1
; US-09-981-353-64

Query Match 23.8%; Score 28.6; DB 9; Length 1556;
Best Local Similarity 54.2%; Pred. No. 3.5; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0; Gaps 0;
Qy 6 GATGAGAGGAGGACCTGTGAGGCCGGATGAGGAACTGTGAGAGTCACCTGA 65
Db 1181 GAGGAGGAGGAGGATGACTACAGGAGAGAGGAGGAGGAGACTGGCGTGAATCCCC 1240
Qy 66 GGAGGACATGCCAGGGAGAAGCCCTCACCACGGAGGAGCA 112

```

Db 1241 GGACCACTGACAGGCCAGCAGAGGGCGGGAGGA 1287

RESULT 10

; Sequence 3, Application US/10163866

; Publication No. US2003002718A1

; GENERAL INFORMATION:

; APPLICANT: EXELIXIS, INC.

; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE

; FILE REFERENCE: EX02-080C

CURRENT APPLICATION NUMBER: US/10/113, 865

CURRENT FILING DATE: 2002-06-05

PRIOR APPLICATION NUMBER: US 60/296, 076

PRIOR FILING DATE: 2001-06-05

PRIOR APPLICATION NUMBER: US 60/328, 605

PRIOR FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: US 60/338, 733

FILING DATE: 2001-10-22

PRIOR APPLICATION NUMBER: US 60/357, 253

PRIOR FILING DATE: 2002-02-15

PRIOR APPLICATION NUMBER: US 60/357, 600

PRIOR FILING DATE: 2002-02-15

NUMBER OF SEQ ID NOS: 54

SOFTWARE: Patentin version 3.1

SEQ ID NO 3

LENGTH: 1559

TYPE: DNA

ORGANISM: Homo sapiens

; US-10-163-866-3

Query Match 23.8%; Score 28.6; DB 9; Length 1559;

Best Local Similarity 54.2%; Pred. No. 3.5;

Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 5 TGATGAAGAGGTGACCTGAGGCCGATGAGGACTGTGAGGTGACTG 64

Db 1167 TCATCACACGTAACAGGACGAGGACATGGTGGATCATGG 1108

QY 65 AGGAGGACATGCCAGGAAAGCCCTCCACCCACCGAGGAGGAGC 111

Db 1107 AGAGGATGGGAGGAGGTGGCTTCGGGACCCACGAGAAGAGC 1061

RESULT 11

US-10-163-866-1/c

; Sequence 1, Application US/10163866

; Publication No. US2003002718A1

; GENERAL INFORMATION:

; APPLICANT: EXELIXIS, INC.

; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE

; FILE REFERENCE: EX02-080C

CURRENT APPLICATION NUMBER: US/10/163, 866

CURRENT FILING DATE: 2002-06-05

PRIOR APPLICATION NUMBER: US 60/296, 076

PRIOR FILING DATE: 2001-06-05

PRIOR APPLICATION NUMBER: US 60/328, 605

PRIOR FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: US 60/338, 733

PRIOR FILING DATE: 2001-10-22

PRIOR APPLICATION NUMBER: US 60/357, 253

PRIOR FILING DATE: 2002-02-15

PRIOR APPLICATION NUMBER: US 60/357, 600

PRIOR FILING DATE: 2002-02-15

NUMBER OF SEQ ID NOS: 54

SOFTWARE: Patentin version 3.1

SEQ ID NO 5

LENGTH: 1609

TYPE: DNA

ORGANISM: Homo sapiens

; US-10-163-866-5

Query Match 23.8%; Score 28.6; DB 9; Length 1609;

Best Local Similarity 54.2%; Pred. No. 3.5;

Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 5 TGATGAAGAGGTGACCTGAGGCCGATGAGGACTGTGAGGTGACTG 64

Db 1202 TCATCACACGTAACAGGACGAGGACGCGCACGGGTTGAGGTGATCATGG 1143

QY 65 AGGAGGACATGCCAGGAAAGCCCTCCACCCACCGAGGAGGAGC 111

Db 1142 AGAGGATGGGGCAGGTTGGCTCCGGGACCCACGAGAAGAGC 1096

RESULT 13

US-10-163-866-7/c

; Sequence 7, Application US/10163866

; Publication No. US2003002718A1

; GENERAL INFORMATION:

; APPLICANT: EXELIXIS, INC.

; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE

; FILE REFERENCE: EX02-080C

CURRENT APPLICATION NUMBER: US/10/163, 866

CURRENT FILING DATE: 2002-06-05

PRIOR APPLICATION NUMBER: US 60/296, 076

PRIOR FILING DATE: 2001-06-05

PRIOR APPLICATION NUMBER: US 60/328, 605

PRIOR FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: US 60/338, 733

PRIOR FILING DATE: 2001-10-22

PRIOR APPLICATION NUMBER: US 60/357, 253

PRIOR FILING DATE: 2002-02-15

PRIOR APPLICATION NUMBER: US 60/357, 600

PRIOR FILING DATE: 2002-02-15

NUMBER OF SEQ ID NOS: 54

SOFTWARE: Patentin version 3.1

SEQ ID NO 1

LENGTH: 1593

TYPE: DNA

ORGANISM: Homo sapiens

; US-10-163-866-1

Query Match 23.8%; Score 28.6; DB 9; Length 1593;

This Page Blank (uspi)

BEST AVAILABLE COPY